

RSSAC Update

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Committee Overview

- RSSAC is one of the original ICANN Advisory Committees
- Includes root nameserver operators, RIRs, researchers, interested others
- Does not represent the root nameserver operators; a forum for interaction between operators and ICANN
- Provides written recommendations, informal advice to IANA
- Meets at IETF, most recently in Prague right before ICANN in Lisbon.

Current Work

- IPv6 addresses for the roots
 - Report to the Board finalized
 - Joint effort with SSAC
 - See transcript of Weds SSAC session
- DNSSEC readiness
 - For the first time, all the roots report ready to serve signed data
 - Critical step to signing the root
- IDN input to ICANN

DDoS

- 6 Feb 2007
 - A couple of hours
 - Standard attack profile: lots of traffic, attempt to overwhelm servers and network links
- Impact very limited, almost zero impact on users because of DNS redundancy
 - Only some operations/letters attacked
 - Anycast compartmentalized impact for most
 - Conversation about improved monitoring and analysis
 - more real-time coordination with TLDs

IPv6

- A DNS record for an IPv6 address is different to a record for an IPv4 address.
- TLDs have been able to put IPv6 address records in the root zone for a couple of years
- Several root nameservers are ready with IPv6 addresses and transport.
- We haven't yet added IPv6 address records for the root nameservers. Concerns:
 - Backwards compatibility for larger responses to DNS queries
 - Root-specific notion of “priming queries”
- Joint RSSAC/SSAC task force has done the due diligence and made recommendation to proceed.

IDN

- Large, complex undertaking; DNS and root is only a very small part
- Statement from RSSAC
 - No problem with proposed test of standard delegations (NS records)
 - Please keep us informed as test plans and implementation go forward
 - RSSAC is happy to provide advice on DNS-specific technical aspects of test and deployment
 - Should aliasing become a requirement, RSSAC would work with ICANN to identify how to meet it

Odds and Ends

- RFC 2870
 - Last formal, public, official best practices, but:
 - Seriously obsolete
 - Can lead to misunderstandings about current provisioning and management standards
 - Several participants in revision
- Formalizing process
 - Vice chair appointed at previous meeting, ran Prague agenda. Jun Murai remains as chair, Matt Larson is vice-chair.
 - Work item for Chicago: succession plan

Administrivia

- Next meeting in conjunction with IETF 66, July 9
- Reviews/updates expected:
 - IDN (as requested by ICANN)
 - Operations
- Usual URLs:
 - www.rssac.org for committee-maintained content
 - www.root-servers.org for some technical information
 - <http://www.icann.org/committees/dns-root/> for ICANN-maintained content (this is under revision as part of the new website launched this week)