RSSAC27 - 18 Mar 2007, Prague CZ

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Matt Larson -
Akira Kato -
Andrei -
Jun Murai -
Bill Manning -
Joao Damas -
Brett Carr -
John Crain -
Suzanne Woolf -
Steve Conte -
Daniel Karrenberg -
Johan Ihren -
Lars Liman -
Cathy Murphy -
Ginny Listman -
Tina Dam -
Peter Koch -
Yuji Sekiya -
Hiro Hotta -
Gerry Sneeringer -
Sato -
Jim Cassell -
Howard Kash -
Mark Kosters -
Nevil Brownlee -
Frederico Neves -
Steve Crocker -

Agenda:

- IDN update (Tina Dam)
- DNSSEC
  - Root operators DNSSEC readiness update (All root operators present)
  - Latest news on signing the root (Steve Crocker)
  - Glue/priming issue related to root server names (Peter Koch)
- Principles, rules and processes of RSSAC (Jun Murai, all)
- Remote measurement with intelligent management system (Yuji Sekiya)
- CAIDA (Nevil Brownlee)
- Anycast status (All root operators present)
- RFC 2870bis discussion (All)
- Status of statement of principles (All)
- AOB

The root AAAA discussion will be deferred to the joint dinner meeting with SSAC scheduled for Wednesday evening, 3/21.

Notes by Steve Conte, Bill Manning, Cathy Murphy, Suzanne Woolf

IDN - Tina from ICANN

   second level delegations are complete, tested and in production (http://www.rssac.org/notes_papers/rssac-v6tldglue.html). what we need now is a plan for the next steps. the goal is full IDN support for all delegations, including TLDs. to get there, ICANN has produced a test plan. phase one, testing in a lab environment, is complete. Autonomica ran the tests and a report is available. phase two calls for pre-deployment testing of IDN labels at the TLD level.

   so how to move from here (phase one) to there (phase two)? main issues surrounding IDN label deployment from a technical basis are the use of DNAME to remap one TLD label to its IDN equivalent. this approach involved testing too many unknowns in the DNS structure. the proposal today is to move forward with new labels with their own NS RRsets.

   if its just new NS records, there are no known issues in loading the zone data. there may be some consideration regarding monitoring/measurement scripts in use by operations that assume ASCII. DNS aliasing (DNAME) is a concern for another day.

   monitoring will be done to check traffic patterns as new strings are added. there will be other issues - none of which should impact the root servers or their operations. ICANN was asked to request any specific measurements from the root operators be made as early as possible.

   a draft rssac recommendation needs to be sent to the board. Suzanne has sent an initial draft to the list for comments. A copy may be found here: http://www.rssac.org/notes_papers/idn-comments-2007.txt

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DNSSEC

   operational readiness: all root server operators present are running DNSSEC capable software, need update from C & E. follow-up from these nodes indicates they are running DNSSEC capable software. the root servers now await instructions to configure for DNSSEC operations.

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Steve Crocker

signing the root, an update: there is not a smooth or complete path to get a signed root. there is no coherent way forward. one strategy is documented. not confident it will happen. another strategy is the use of DNSSEC Lookaside Validation (DLV) as an alternative. operationally, the "holes in the tree" problem needs to be solved. encouraged by the deployment of validating IMR resolvers via .SEnic

will ICANN run a DLV registry? ICANN may not be in the best space to do so. Reports are that DLV has some serious implementation weaknesses as currently implemented. These concerns should be investigated and reported on.

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peter koch - glue/priming and dnssec

this topic evolved from the AAAA discussions - priming is not standardized or documented, some resolvers don't prime at all. No IETF standards document to describe priming, so difficult to attach info when something needs to change, e.g., for DNSSEC. Is it important to "protect" the root NS set?

Peter offered a to-do list, including needing a document reflecting current practices. Some outstanding questions include: Is the DO bit needed, Is root server address validation needed? If so, what problems to expect if this is expected behaviour. Peter wants RSSAC to participate in the discussion. There was considerable discussion about the basic assumptions on root server address validation. This will be discussed in dnsop.

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- Principles, rules and processes of RSSAC (Jun Murai, all)

There is a desire to clarify who is a member of the committee and who are invited guests. This clarification will been needed as we create a process to formally change the chairmanship of the committee. Bill Manning is to draft a process proposal. There should also be a published method on "how to attend a meeting".

ICANN has an item to review support groups and their operations periodically. That is going to happen sometime soon (later this year?) - are they working, etc. Whether we should do anything to prepare for this audit/review is an open question.

Can rssac suggest topics to be part of the review? If identified, Jun will take them to ICANN if suggested.

Budget consideration? Possible, e.g., if the feedback is that Icann wants more official statements from the group and groups decides that funding would help produce those

The outcome of these efforts will be used to update or refresh the ICANN pages for RSSAC. John Crain has new pages in draft form for consideration. Please direct comments on the new design to the list.

Measurement: CAIDA/ISC for DITL collection - report by July
          WIDE - Install small boxes in many more places

- Remote measurement with intelligent management system (Yuji Sekiya)

          disposable probes... sync w/ NTP
          security/trust issues

- Anycast status (All root operators present)

additional nodes deployed by aggressive anycasters. daniel will ask the RIPE NCC to make available a map of all instances listed on the root-servers.org public page to be freely available and to increase the visual appearance of the page. for those nodes using the root-servers.org page, it would be helpful to add a timestamp for each new instance

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- RFC2870
     There needs to be a current operations document - RFC 2870 is no longer applicable.

- Status of statement of principles (All)

Draft language exists. Will be reviewed and updated by group. Liman is taking over editor role.

SSAC/RSSAC joint meeting on Wednesday evening to get closure on the "AAAA for root servers" recommendation. This meeting went well and the joint SSAC/RSSAC report was approved to send on to ICANN for review and posting.

EP.NET was asked to let ICANN do the logistics for future meetings.
Next meeting is Chicago, 22july2007