RSSAC 30 Notes 09 March 2008

Root-Server Operators:


Invited Guests

Russ Mundy    -  SPARTA
Mark Kosters  -  ARIN
Suzanne Sene  -  US-DoC
Steve Crocker -  ICANN/SSAC
Tina Dam      -  ICANN/IDN
Barbara Roseman  ICANN/IANA
Richard Lamb   -  ICANN/IANA
Nevil Brownlee CAIDA
Thomas Narten  -  IETF
Frederico Neves LACNIC
Ricardo        LACNIC

*** AGENDA ***
Welcome / Intro
Paul's bet
Root Server AAAA Addititons
ICANN IDN next steps
DITL08
DNSSEC Deployment Initiative udpate
DNSSEC information in root zone
VeriSign's DNNSEC root implementation
DNSSEC readiness update
Plans for in-addr.arpa
Anycast status
Status of ICANN agreements

Note Takers:  Steve Conte, Bill Manning
-- Root Server AAAA Additions

Feb 4 2008
6 Roots
All is OK
avg qps is about 50 for AAAA
K has pcaps from just before Feb 4 to just after and data will be avail via
OARC to
+members

-- ICANN IDN next steps
Tina Dam

Status Report
Wiki going well
no dns core issues reported
new languages
dnssec signing and adding certs
Emergency removal procedure not used
not all root-operators are signed up
IDNA technical standard under revision
APP IDN BOF, Weds, 0900-1130, rm: Franklin 6/7

Policy Processes Underway
- Country0code IDN TLDs - Fast Track
 -- Deploy non-contentious ccTLD equivalents quickly
 -- Don't wait for full ccNSO PDP

- Country-code IDN TLDs- Long term
 --full policy that caters for all
 -- follow the full ccnso pdp

- New Generic TLDs
 -- new ongoing policy for new gtlds
 -- includes internationled domains

General User Questions:
If I have registered [idn.tld] then will I also be the registrant of [idn.idn-
tld]?
--Requires careful policy considerations
--relates to IP rights vs competition rights
--difficult to translate existing strings as many have no translatable meaning
no precedence for gtld registry for [.gtld] to become registry of [.idn-gtld]
-- objection rights exists for confusingly similarity

cctld operators & gac discussing needs in "IDN ccTLD" solution

Often referring to as aliasing, but need clearer definition

If requested, then tech solution might be needed
--DNAME a potential solution to examine?
--RSSAC advice for how to approach this

Q (ML): cctlds talking about aliasing?
A (TD): could be for both, unsure how to go about, policy, tech, etc
A (SW): feels better about this discussion if we were to have a better
definition of
+aliasing
what to know/tests suggest surround knowing when to test DNAME

looking from RSSAC?

TD: [guesses]: Timeline for fast-track is later this calendar year
g and cctld applicants would come and have a need for aliasing
wants standard solution

[L-JL] suggests discussion of impact before implementation
wants to make sure that all roots can run DNAME

[ML] Confirming that RSSAC is being asked about tech/operational assessment of
aliasing to include what features aliasing will provide

Timeframe? 6 weeks or less?

-- DITL08
Nevil

Day in the LIfe of the Internet
have done for previous 2 years
doing it later in the year so more people can participate

18 MARCH
running for two days
started with root servers
8 roots participating (hopefully)
past issues with shipping data to oarc
practice with Duane Wessels so no data lost
other activities to capture
www.caida.org/projects/ditl

pointers to data after submission would be nice

-- DNSSEC Deployment Initiative update
Steve Crocker

SSAC DNSSEC recommendations
- ICANN: Sign ARPA and INT
  Accept/Publish TLD keys
  Work on root signing
- GTLDs: Study deployment

SSAC Followup
Protocol completeness
key rollover
trust anchor repositories
testing
performance and error analysis
end user applications
availability on common platforms
sac026 report

-- DNSSEC information in root zone
Barbara Roseman

DS records in the root zone
IANA has been asked to create a registry of ds keys
just for top level domains
once signed, then keys will be moved into root zone
is registry worthwhile until IANA has a signed zone?
need cooperation of IANA DoC and VeriSign
hoping to move forward within 30 days

-- VeriSign's DNNSEC root implementation
Matt Larson

At start of ICANN India meeting, Verisign announced DNSSEC implementation
one possible idea was for verisign to sign root
verisign announced to do dnssec implementation (production)
same policies and procedures as the certificate side of verisign.
leave hole for KSKs
have it done by Q2
-- DNSSEC readiness update
M RDY
L RDY
K RDY
J RDY
I RDY
H RDY
G RDY
F RDY
E unknown
D RDY
C RDY
B RDY
A RDY

-- Plans for in-addr.arpa
Barbara Roseman

initially didn't want to talk about until .apra trans plans
plans may move forward to trans in-addr to IANA
if falls under direct IANA control, then plans to sign
.INT is a bit more questionable, no clear community support
waiting for communications between ARIN and ICANN
looking to automate in-addr updates (still in dev)
ARIN and IANA meeting this week

-- Anycast status
A - Not Anycast (1 v6, 2nd coming soon)
B - Not Anycast
C - Anycasted (4 in US, 2 in Europe by Q4 -- IPv4)
D - Not Anycast
E - not here
F - adding a few more sites, current 43 - 13 v6 enabled
G - not anycasted, planning 6 Locs by Q4 (v4)
H - unknown
I - anycast, no current number, no new sites. upgrading a few sites, no v6 +production yet
J - 41 sites now ( 1 v6, 2nd coming soon)
K - 17 locations, 2 v6, hoping to have more in next 3 months
L - 2 locations, v6 coming in next months, more locations coming this year
M - no change to number of sites, 5 clusters speaking v6

-- Status of ICANN agreements
ISC/ICANN entered agreement
more agreements coming soon

Next meeting Dublin, Ireland