

RSSAC 30 Notes 09 March 2008

Root-Server Operators:

A, B, C, D, -, F, G, H, I, J, K, L, M

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 Addititons

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 ccnsso 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 .arpa 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