DNSSEC DEPLOYMENT IN EUROPE

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CENTR DNSSEC SURVEY

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DNSSEC Workshop
ICANN Meeting, Nairobi, Kenya

1. CENTR
2. Survey background and participants
3. Overview responses
4. Conclusions

CENTR is the world's largest association on Internet Domain Name Registries. CENTR has over 50 members, each of them responsible for the operation of the country code top level domain in their country. CENTR members account for over 80% of the country code domain registrations worldwide.

Information platform

Exchange of good practices

European focus

CENTR = Forum for (cc)TLD managers

Meetings and workshops

Membership:
48 Full members (ccTLDs)
10 Associate members (TLDs)
9 Observers

Mailing lists, surveys, library, website, news updates, statistics, ...

CENTR membership in domain names
(Stats update January 2010)

Full members => **48,217,781**
Associtate members => **16,971,114**

4

popular survey tool

"members can set up a survey instead of asking questions to the mailing list"

- 23 surveys started in 2009
- in general 25-30 registries responding

Questionnaire by
CENTR secretariat based on
input from members on CENTR mailing list

Questions focuss on operational issues

Questionnaire open
between 1 February and 2 March 2010

21 respondents

21 respondents:

CENTR Members & Associate members

Registries for
.ad, .at, .ca, .cat, .ch/.li, .es, .eu, .fi, .fr, .hu,
.it, .jp, .lu, .lv, .mx, .nl, .pt, .se, .si, .tr, .uk.

Number of domain names by the registries in survey
27,397,611

Question: **Current state of DNSSEC?**

Of the registries in the survey

3 **DNSSEC is up an running**

10 **DNSSEC will be operational within 12 months**

3 **DNSSEC will be operational within 1 – 2 years**

3 **DNSSEC will be operational within 2 – 5 years**

2 **No concrete plans**

Question: Reasons behind the decision to implement DNSSEC?

SAFER INTERNET

goal / task registry

requested by local community

new gTLDs must do it

Government support

Question: **Does the registry levy an extra charge for handling DNSSEC enabled names?**

No extra costs charged by registry for DNSSEC

Question: **What % of domains is signed?** *(end January 2010)*

Still very low …. Less than 0.5%

**Question: Your registrars and DNSSEC deployment –
What are the main issues?**

- no demand from registrars
- they are not ready
- see DNSSEC as extra burdon
- lack of expenrience
- "they seem to wait for .com"

Question: **How do you involve and prepare your registrars?**

- seminars, info sessions
- informative email, mailings
- during registrar days
- technical workshop
- ...

Question: **Did you consult with your registrars about the implementation of DNSSEC?**

Y E S

'yes, but with no substantial feedback'

Question: **KEY management –
What sollution do you use / plan to use?**

8 open-dnssec

4 home made sollution

1 DNSSEC box (secure64, infoblox, bluecat, ...)

1 other

Question: **NSEC / NSEC3 / NSEC3 with opt-out**
           What do you plan to use?

8   NSEC3 with opt-out

4   NSEC3

1   NSEC

Question: **Supply and update DS keys to registry?**

What is the main interface for the **registrant** to supply/update DS keys to the registry?

- **4** web
- **3** other

What is the main interface for the **registrar** to supply/update DS keys to the registry?

- **4** web
- **3** EPP
- **1** other

What is the main interface for the **key holder** to supply/update DS keys to the registry?

2 EPP

2 web

2 other

**Conclusions and suggestions
for registries planning DNSSEC**

- ## Work and plan with your registrars

- Give a lot of information and explain long term benefits

- Provide easy to read documentation

- Manage different aspects of DNSSEC as different projects

    (eg siging your TLD vs enabling registrants to enter keys in the zone)

Thank you for your attention!

More about CENTR at

http://www.centr.org

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