

# Do registrars care about DNSSEC?



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# Business plan 2010

- Separate Business plan for DNSSEC
- Expansion plan: (2') → 50' → 100' → 200'
- # Registrars: (10) → 15 → 25 → 50
- Period : 3 year (2010 – 2012)
- Resources: 4 persons (part time)
- Budget: TBD

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# Overview

DNSSEC Project plan		year 2009					year 2010						year 2011								
		8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
1	Market survey	x	x																		
2	Technical survey			x	x	x															
3	Registrars demands					x	x														
4	Registrar Forum						x	x	x	x	x			x	x	x	x	x			
5	List solutions						x	x	x												
6	Benchmarking solutions							x	x	x	x										
7	Campaign "Test DNSSEC"									x	x	x									
8	Implement DNSSEC													x	x	x	x				
9	Start of DNSSEC at Registrars																x	x			
10	Marketing campaign																	x	x	x	
11	Improve information						x	x													
12	List/Train consultants								x	x	x	x									
13	Train Registrars								x	x	x	x									
14	Improve internal routines								x	x	x	x									
15	Cooperative projects								x	x	x	x									

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# 1. Market survey

- 22 replies
- 4 already offer DNSSEC (out of 11)
- 13 - plans for DNSSEC
- 9 - plans for 2010
- 13 - wants more information
- 12 - interested in assistance

## DNSSEC-Survey for registrars

### Survey regarding DNSSEC

At the moment more and more of our registrars offer DNSSEC. During 2010 there will be some big Registrars implementing DNSSEC. .SE wants to support this development and need more information about your interest, realities and challenges. Therefore we ask you to follow the link and fill in the survey.

Company/Organisation

Contact person

Telephone (incl. countrycode)

Email

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### General information

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Around the world the interest for DNSSEC, for more secure internet, is increasing. Many top domains are now signing and there are more to come under 2010 (including the ROOT).

.SE have developed a free software for DNSSEC that we call OpenDNSSEC. For more information see: [www.opendnssec.org](http://www.opendnssec.org).

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### Business related questions

Do you already have DNSSEC in your organization? \*

Do you have a DNSSEC project going on? \*

Yes  No  Not sure

Do you want to work with DNSSEC during 2010? \*

Yes  No

Do you want more information and training about DNSSEC? \*

Yes  No

Do you want to know more about our freeware OpenDNSSEC? \*

Yes  No

Would you, during 2010, be interested to get assistance in integrating your existing systems to the freeware OpenDNSSEC? \*



## 2. Other activities

- Certezza Report
- ENISA report
- CENTR survey
- Existing DNSSEC Registrars

### Certezza Report

Vendor	Product	Comment
BlueCat Networks	Proteus 3.0.1.11	
Infoblox	Infoblox 5.0	
InfoWeapons	SolidDNS 3.0.215	Vendor comments 4.0.
Secure64 Software	DNS Signer 3.1	
Microsoft	Windows 2008 R2	

(6.1)

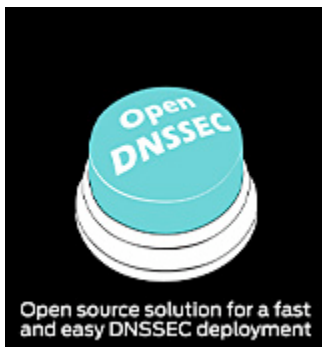


## 3. Registrars requirements

- Demand for OpenDNSSEC (easy to use at a low cost)
- Wishlist from Registrars
- Published in "DNSSEC Forum"
- .SE Registry and Registrars comments
- "Final" version delivered the OpenDNSSEC development team.

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# Developing a turn key system



OpenDNSSEC is a co-operation between .SE, Nominet, NLNet Labs, SIDN, SURFnet, Kirei and John Dickinson.

<http://opendnssec.se>

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## 4. Registrars DNSSEC Forum

- Registrars requirements on solutions
- Offers assistance with tests
- Offers assistance with the implementation
- Published at "Registrars.se"
- 1 part time external administrator

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## 5. List of current solutions

- OpenDNSSEC
- Secure 64
- ZKT
- Proteus
- Infoblox
- SolidDNS
- etc

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## 6. Benchmark solutions

- With the "Final demands" that Registrars have agreed upon, we benchmark different solutions.

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## 7. "Test DNSSEC" campaign

- All interested registrars can test DNSSEC in a production environment during a period of time.

We will probably use different examples of code.

- The workshop will handle test domains but in a production environment.

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## 8. Implement DNSSEC

- OpenDNSSEC ready/tested/approved for registrars no later than May 2010
- Registration may start at the latest in June 15
- Implementation period starts in August
- All participants uses the same project plan
- Training, Forum, Meetings
- Technical support
- Adjusting EPP interfaces (if needed)
- Test before GoLive

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## 9. Start of DNSSEC by Registrars

- In the end of 2010 Registrars will start to use their DNSSEC solutions.
- Small volumes expected from the beginning.
- More and more during 2011.

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# 10. Marketing campaign

- Marketing campaigns that DNSSEC Registrars can benefit from.
- User benefit. "What's in it for you?"

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# 11. Improved information

- Web information
- Training material
- Technical information
- FAQ

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## 12. Train consultants

- XPD
- Interlan
- Certezza
- HAXX
- Kingdom
- Etc.

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# 13 Train Registrars

(hands on practical training)

- Stockholm
- Gothenburg
- Malmö
- Etc.

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# 15. Loopia

- Largest Swedish registrar
  - Approximately 250.000 domains
- Pilot for OpenDNSSEC 1.1
- Offer DNSSEC today
- Ongoing DNSSEC development project
- HW prepared for DNSSEC
- Plan to reach 25.000 DNSSEC domains in 2010.

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## 16. .SE Direct

- Approximately 350.000 domains
- Offer administration of DNSSEC key's today
- Currently no plan to offer DNSSEC (do not offer name service)

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Thank you...

Questions?

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