

register.si 

DNSSEC in .si

Where we are

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Agenda

- Past actions
- Current status
- Future plans
- Conclusion

Past actions

- Recursive DNS servers
 - Turned on validation in 2010
 - Monitoring traffic, anomalies, increase of TCP...
- Authoritative zone(s)
 - Prepare for signing .si
 - A lot of testing
 - HSM modules
 - Different rollover scenarios
 - Traffic
 - A lot of documentation



Current status

- At the end of 2011
 - .si was signed
 - DS records were published in root zone
- No problems with signing procedures
- DNSSEC provisioning in the registry system is not ready yet
- DS records for .si domains
 - cca 20 .si domains have DS records in .si
 - No real interest



Current status

- Resolver operators
 - On 7th place according to a RIPE report
- Government shows some interest in DNSSEC
 - Validation on their recursive resolvers
 - Signing of their domains later



Current status

- Knowledge about DNSSEC is quite low
- Afraid of technology
- No more zero time administration
 - Regular key rollovers
 - Difficult debugging
 - No immediate benefit from DNSSEC
- Chicken and egg problem



Future plans

- Adapt our registry software to support DNSSEC
- Offer an optional DNSSEC signing service for our customers (as NREN)
- Convince resolver operators to turn on validation
- DNSSEC workshops for all interested parties
- Marketing of DNSSEC
- Discounts for DNSSEC signed domains ?



Conclusion

- Although we have signed .si, we are still far from a full deployment
- Some new problems
 - Transfer of DNSSEC signed domains
 - DDoS amplification attacks
- For a real spin off we need
 - Good DNSSEC awareness among internet users
 - Critical mass
 - A good application/service which uses benefits of DNSSEC (maybe DANE)

