

DNSSEC in .SE

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- It's a long story, as you may already be aware of.
- Deployed by a smaller number out of 148 of the .SE accredited registrars, 4 from the top-10.
- The biggest (Loopia) have announced that they will sign during this year → result: 40 per cent of the .se zone signed.

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DNSSEC take-up activities



- Framework DPS – Draft soon to be accepted by the IETF – already in use by a number of registries.
 - <http://tools.ietf.org/html/draft-ietf-dnsop-dnssec-dps-framework-08>
- OpenDNSSEC software – Further development and support
 - <http://opendnssec.org>.
- OpenDNSSEC joint venture
 - Established partnership with: **Nominet** and **CIRA**.
- DNSSEC and OpenDNSSEC - Training and workshops in .SE's premises in Stockholm.
 - Also available upon request – you call, we come 😊.
- DNSSEC and OpenDNSSEC consultant services.
 - Assisting in deployment and reviewing system architecture as well as documentation.

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Using both sticks and carrots to further increase the numbers...



- Continue to offer kick-back to Registrars by 0,30 € per signed domain by the end of June, next round in December.
- The government pushes municipalities and counties to deploy DNSSEC – offering political as well as financial support.
 - <http://www.regeringen.se/content/1/c6/18/18/01/509f1b0c.pdf>
 - <http://www.msb.se/en/Start1/Nyheter-fran-MSB/Nyheter---Informationssakerhet/Klart-vilka-kommuner-som-far-medel-for-DNSSEC/> (In Swedish)

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Lessons learned



- Stirring things up exposes flaws - bugs found in PowerDNS and Unbound.
- Monitor your zone file when you are aware of a massive launch of DNSSEC, some people slightly overestimate their own capabilities....
- Work needed to convince more registrars.

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Possible future scenarios

- DNSSEC mandatory for .SE accredited registrars.
- Annual fee higher if NOT signed with DNSSEC.
- Continuing health checks with recommended solutions to problems found.

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