Challenges and Opportunities in DNSSEC Deployment and Usage

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What Should The End User Experience Be?











DNSSEC-Validating Resolvers





DNS resolver	
Ouse system setting OCZ.NIC's validating OARC's validating	g resolvers
• Custom resolver:	127.0.0.1



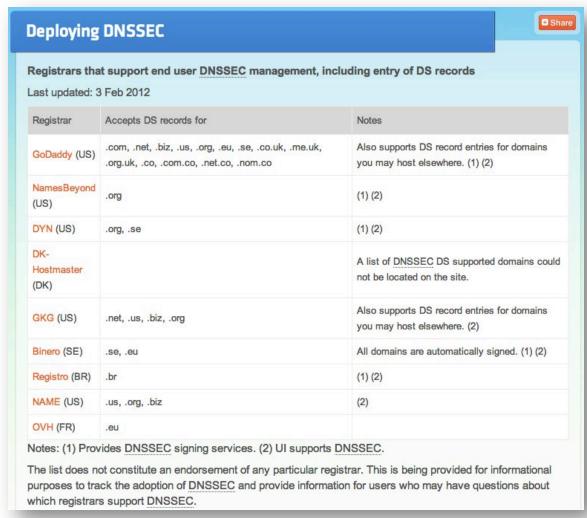
Application Developer Libraries

DNSSEC Developer Libraries At the current time we are aware of the following libraries for developers seeking to add DNSSEC support to their applications: C Idns from NLnet Labs libval from the DNSSEC-Tools Project · libunbound, a component of the Unbound DNS resolver that can be used in other applications Erlang dns erlang Go godns Java dnsiava DNSSEC4J (based on the DNSSEC primitives in dnsjava) Perl Net::DNS and Net::DNS::SEC Perl modules from the DNSSEC-Tools Project Python dnspython – available at dnspython.org and on Github python-dnssec PyUnbound – a python wrapper for the libunbound library (mentioned above under Ruby dnsruby



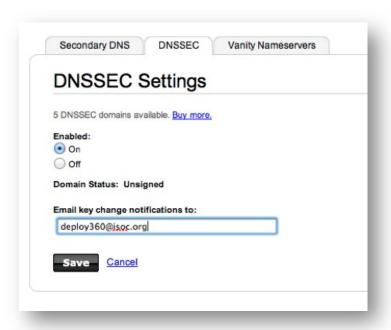
Source: www.internetsociety.org/deploy360/resources/dnssec-developer-libraries/

Domain Name Registrars

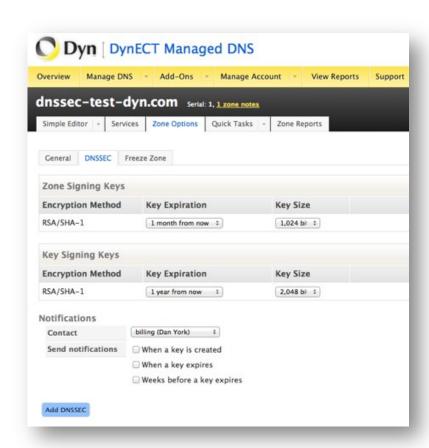


Source: www.icann.org/en/news/in-focus/dnssec/deployment

User Experience at the Registrar / DNS Hosting?

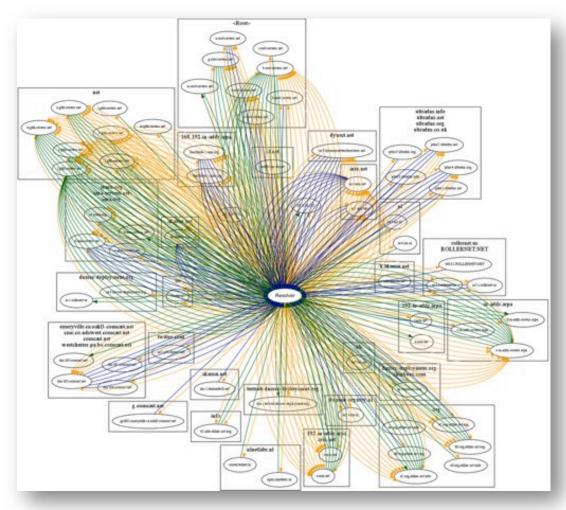


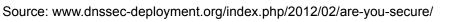






Complexity of Modern Web Sites







Awareness of DNSSEC Information



Internet Society Deploy360 Programme



www.internetsociety.org/deploy360/

Can You Help Us With:

- Case Studies?
- Tutorials?
- Videos?
- Whitepapers?
- Tools?

How Can We Help You?



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www.internetsociety.org/deploy360/

Thank You!

