

Latest developments in DNSSEC

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DNSSEC 1.6.5.3.7.5.1.4.6.3.9.4.e164.arpa.  
OpenPGP 1C1C 6311 EF09 D819 E029 65BE BFB6 C9CB
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NSEC3 is coming

NSEC3 becomes popular

- .GOV and .ORG are going to NSEC3
- .GOV put the first real implementation online
- Causes a lot of software problems
- Validating errors can't be ignored anymore
- Huge step forward: NSEC3 is ready to use
- .DE starts testbed with NSEC3

Commercial interest

Money starts flowing

- Companies offering DNSSEC go to public
- Start of regular, commercial services
- Targeting to governmental institutes and larger companies
- Increased interest in consulting from companies, registrars and registries
- ISC-DLV becomes stable: Congrats.

Political interest

DNS as a political weapon

- Increased “access blocking” activities
- Most prominent model is DNS mangling
 - Answer with a “STOP” page IP
 - Shows a “STOP/Warning” page
 - Register the “visitors” for law enforcement
- ISPs deploy “dual-use” NXDOMAIN rewriting:
 - “Do you want Google to gain the money?”

DNSSEC conflicts with politics

DNSSEC detects mangling

- Common case: ISP mangling on the last mile
- Business case: Own (validating) resolver
- Advanced case: Validation after ISP resolver
 - Common to small business setups → Windows 7
 - Browser with DNSSEC plugin displays warning page: “DNS attack in process: do you want to continue?” → Will become popular.

DNSSEC Logo

Changes to former presentation

- Single registration: www.dnssec-logo.org
- Automatic (additional) data collection starts
- *Requires document validation* and payment
- Certificate (Image and Link) reissued monthly
- Certificate image contains zone apex and month
- History of checks available on line

DNSSEC Developments

Questions?