OpenDNSSEC

DNS Working Group @ RIPE'64

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What is OpenDNSSEC?

OpenDNSSEC

- Turn-key solution for DNSSEC

- Signer only – no name server included

- Open Source Software – BSD License

Key Features

- Policy driver configuration using KASP

- Out of the box support for PKCS#11

  ▸ No dependencies on OpenSSL

  ▸ Includes software-based PKCS#11 provider

- Key sharing between zones

- Scales to $\geq$ 50,000 zones

Contributors

Organization

OpenDNSSEC AB (svb)

- Non-profit company

- Long-term support for OpenDNSSEC

  ▸ Secure funding for future development

  ▸ Software support

  ▸ Training classes

  ▸ Consulting services for system integration

Architecture Board

- Jacques Latour – CIRA

- Jakob Schlyter – Kirei

- Joe Abley – ICANN

- Olaf Kolkman – NLNetLabs

- Ondřej Surý – CZ.NIC

- Patrik Wallström – .SE (corporate liaison)

- Roland van Rijswijk – SURFnet

- Siôn Lloyd – Nominet

Backtrack & Roadmap

General News

- Much improved documentation

  ▸ wiki.opendnssec.org

- Usable bug reporting and tracking

  ▸ issues.opendnssec.org

- Extensive Q&A environment

  ▸ Regression testing on all support plattforms

OpenDNSSEC 1.3

Latest release

- Stable production code

- Multi-threaded signer

- Easy upgrade from earlier versions – please contact us if you have questions or issues.

OpenDNSSEC 1.4
Scheduled for Q2/Q3 2012

- Integrated support for AXFR/IXFR

  - ▸ No more separate incoming AXFR daemon

  - ▸ No NSD/BIND for outgoing AXFR

  - ▸ Increased memory footprint

- No integrated auditor

  - ▸ Use validns or similar tool to verify the zone after signing (use reload comment as hook)

OpenDNSSEC 2.0
Scheduled for Q4 2012

- Refactoring the Enforcer

  ‣ Support for algorithm rollover

  ‣ Support for CSK – Combined Signing Key

  ‣ Support for unsigned zones

  ‣ Incremental transition between NSEC & NSEC3

OpenDNSSEC 2.x

Scheduled for 2013 and beyond

- Database input/output

- Dynamic updates

- Improved CLI

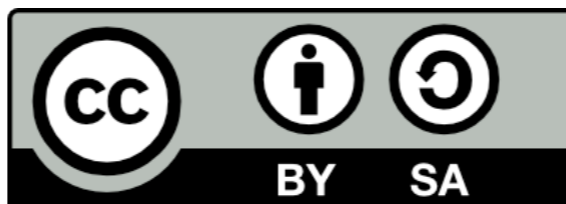- Common API for system integration

- …

¿ Feature Requests ?

We'd like to know what functionality you want!

Education

- Several scheduled OpenDNSSEC courses

  ‣ Visit www.OpenDNSSEC.org for schedule

- We provide on-site training upon request

- Complete study material available for free

www.opendnssec.org