

DNSSEC for humans

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Overview

- DNSSEC for mere mortals: BIND 9.7
 - DNSSEC for humans now
 - DNSSEC for humans, even better
- A hint of BIND 10

BIND 9.7 - DNSSEC for humans

- Automation
- Support for HSMs (aka PKCS#11)
- Easier dynamic DNS
- Performance improvements
- New algorithm support
- For recursive servers
 - Automated trust anchor maintenance
 - Simplified DLV configuration

BIND 9.7 - DNSSEC for humans

- Automation
 - Fully automatic signing of zones

- Automated trust anchor maintenance
 - recursive servers (RFC 5011)

BIND 9.7 - DNSSEC for humans

- Support for HSMs
 - Talks to Hardware Security Module using PKCS#11
 - includes tools to manage keys in the HSM

BIND 9.7 - DNSSEC for humans

- Easier dynamic DNS
 - includes automatic key generation and configuration
 - includes tools to simplify manual work

BIND 9.7 - DNSSEC for humans

- Performance improvements
- New algorithm support
 - SHA2 (like the root zone)
 - GOST (for those who need it, soon)

BIND 9.7 - DNSSEC for humans

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Other new features improving security

- DNS rebinding attack prevention

– http://en.wikipedia.org/wiki/DNS_rebinding

DNSSEC for humans, even better

- To be included:
 - automatic key management
 - creation/revokation/rollover
 - bump-in-the-wire signing
- **YOUR REQUEST HERE**
 - talk to us

A hint of BIND10

- BIND 9 has been around for 11+ years
- Time for a refresh
 - new OS, new hardware, new use models
- BIND 10
 - New modular approach (pick the bits you need, slide in your own)
 - new configuration model
 - cluster support
 - Coming to a server near you in 2011

Making it better

<http://www.isc.org/software/bind/new-features/9.7>

Always seeking **input**, requests for **missing** features, things you would **like to have**, things you would **like to be different**.



**Questions?
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