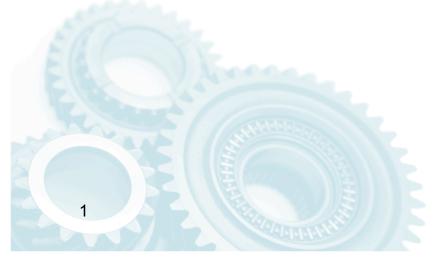
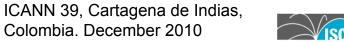
DNSSEC for humans

João Damas ISC







Overview

- DNSSEC for mere mortals: BIND 9.7
 - -DNSSEC for humans now
 - -DNSSEC for humans, even better

• A hint of BIND 10



- 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



- Automation
 - -Fully automatic signing of zones

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

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



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



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







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? joao@isc.org



