

DNSSEC deployment in .cz & 0.2.4.e164.arpa

CZ.NIC

Pavel Tuma

pavel.tuma@nic.cz

25. 6. 2008

About CZ.NIC

- Founded in 1998 by group of 16 ISPs
- Special interest association of legal entities
- 53 members – growing (open membership)
- Registry-Registrar model (23+6 registrars)
- Liberal registration model – no restrictions
- Domains currently
 - .cz 430 000
 - 0.2.4.e164.arpa 4 300
- DNSSEC = logical step to improve registry services

Conditions

- Available for .cz and 0.2.4.e164.arpa
- Key sharing
 - same keys for multiple domains
 - reduces overhead
- Free of charge
 - not service, but feature
 - within domain registration fee
- DS published in ISC DLV
 - until root signed
 - IANA preference

Conditions

- Operations and security
 - Based on RFCs
 - Keys RHA-SHA1 2048/1024bit
 - Rotation 1x per year/month
 - Multiple persons requirement
- Zone walking problem
 - no personal data disclosed
 - approved by Personal Data Protection Office
 - NSEC3 later

Roadmap

3/2008	Public announcement
3-7/2008	Technical testing
5/2008	ENUM zone signed & DS published
5-7/2008	Registry SW update development
8/2008	Public trial
9/2008	Production

Bits from prep phase

- Mini market research
 - Among .cz registrars
 - DNSSEC support 100%
 - Complementary services 43%
 - Use for themselves 0%
- Partners for trial
 - banks
 - media
 - interest shown, results unknown :(
 - overhead not an issue

Thank you

Questions?

Pavel Tuma
pavel.tuma@nic.cz
<http://www.nic.cz>