#### **DNSSEC.CZ**

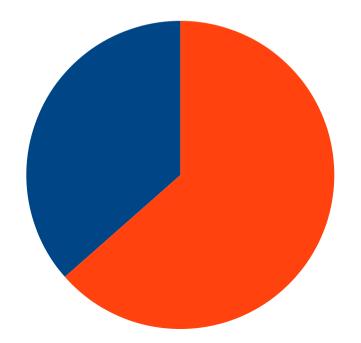
CZ.NIC - http://www.nic.cz Ondrej Filip / ondrej.filip@nic.cz Jul 27 2012, Prague, ICANN, DNSSEC WS



## **DNSSEC** penetration



- About 36,5% domains is signed
- That means ~ 350.000 domains! (of ~ 955.000)
- Check numbers at http://www.nic.cz



#### Communication

- Registrars seminars, training, financial incentives, direct, conferences, technical support
- Important web sites (government, news, e-shops) direct, conferences
- ISPs campaign (via end users) and direct
- End users campaign
- Tools



- Test DNSSEC compatibility device (and network)
- On-line database EN/CZ/HU

#### ZYXEL — LIST OF DEVICES

Device	Reports	Score	CZ.NIC score	DNSSEC compatibility	Last test
ZyXEL P-320W	1	102	0	52%	06-12-2009
ZyXEL P-660HW	4	574	0	72%	08-12-2009
ZyXEL P-660RU	1	182	0	92%	08-12-2009
ZyXEL P-660R-63	1	182	0	92%	02-01-2010
ZyXEL P-661HW	0	0	0	_	_
ZyXEL USG 200	0	0	0	_	_

- Windows / Linux / Mac OS supported
- Download at http://www.dnssectester.cz

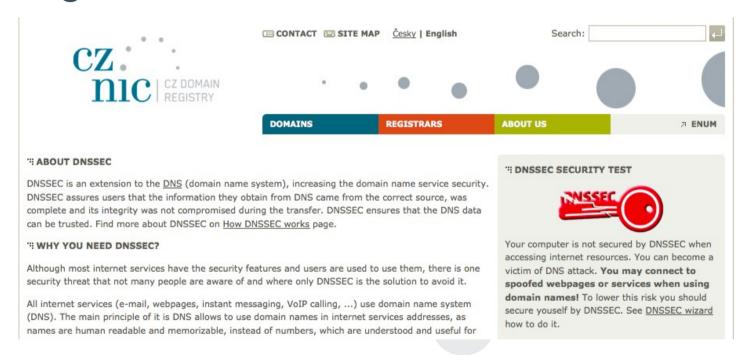


- Firefox/Chrome/IE add-ons Shows icon similar to 'https'
- Validates domain name in the address bar
- No DNSSEC, broken DNSSEC, functional DNSSEC
- Download at: http://labs.nic.cz
- (Or search for DNSSEC at browser Add-ons)



## Open validating resolvers

- Public DNSSEC validating resolvers
- Integrated into browser add-ons



- Using anycast technology
- http://labs.nic.cz/odvr

# **DNSSEC HTML Widget**

 Informs about DNSSEC validation and IPv6 support of connection (on http://www.nic.cz)



- Measures speed of IPv4 and IPv6
- http://labs.nic.cz/widget

### **Current situation**



- 36,5% of all Czech domains growing
- All major registrars (with 90% of market share) support DNSSEC – many of them by sign default
- Many major ISPs validate (2 of 3 cell phone operators – Telefonica and Vodafone; majority of B2B; major xDSL provider
- Many important sites signed

## Thank you!



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