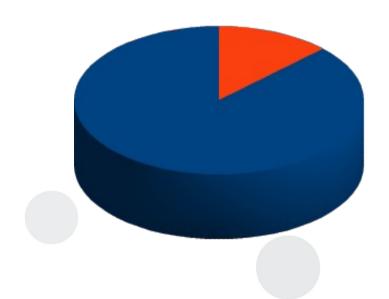
DNSSEC.CZ

CZ.NIC Anna Filínová / anna.filinova@nic.cz 26.10.2010



DNSSEC in .CZ

- about 14% domains are signed
- ~ 106 000 domains (of 726 000)



Our steps to DNSSEC

- implementation January September 2008
- FRED client system (since 2007) was upgraded to DNSSEC
- 5th TLD
- launch day all registrars supported DNSSEC



How to promote DNSSEC

- Say what
 - COMMUNICATION



- Say how
 - EDUCATION



- Help
- TOOLS FOR END USERS



DNSSEC Education

- CZ.NIC Academy
- DNS + DNSSEC courses (not only)



DNSSEC Education

Good Domain campaign



Registrars

- two registrars enabled DNSSEC by default for domains on their DNS servers
 - January 2010 WEB4U (+15 000)
 - March 2010 ACTIVE 24 (+70 000)
- no additional fee
- well communicated very good media coverage





Co-marketing

- registrar & CZ.NIC together
- cost split 50:50
- maximum limit is based on registrar performance
- DNSSEC bonus
- 10% of price given back
- one DNSSEC campaign already during 2009

Mr. Key Holder



DNSSEC tester

- test DNSSEC compatibility device (and network)
- online database EN/CZ/HU
- Win / Linux / Mac supported

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	_	-

DNSSEC tester

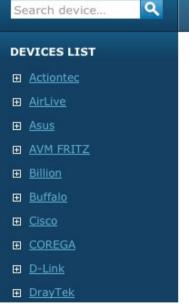
download at www.dnssectester.cz

TEST TYPES



HOMEPAGE

nglish | <u>Česky</u> | <u>Magyar</u>



The <u>DNSSEC</u> technology expands the domain name system (DNS) by elements increasing the security of the services for the translation of domain names to IP addresses and vice versa. <u>DNSSEC</u> ensures the credibility of the data obtained from the DNS. One of the problems occurring in the <u>DNSSEC</u> introduction is the incompatibility of some devices with this security technology. This especially applies to hardware intended for use in households and small organisations, such as DSL modems, cable modems, internal routers, wireless network connection points, etc. The incompatibility means that the device is not able to process the DNS enquiries with the switched-on validation by means of DNSSEC.

<u>DNSSEC</u> compatibility depends on other factors than just your device including your ISP's network, other devices in your local network or proper <u>DNSSEC</u> configuration of your device.

The information about the level of the DNSSEC compatibility of various devices based on the testing of each of them is offered by this website. The website contains the hardware database where you can find the device you have at home or intend to buy. Further, it includes a special testing application enabling the compatibility testing. After downloading it, the testing of your hardware will not take more than a few minutes. You can submit the result of such a test to the device database and thus inform other users and device producers, and contribute to the correction of any occurring problems.

Do you want to test your device for DNSSEC compatibility?

Are you willing to share your experience with others?

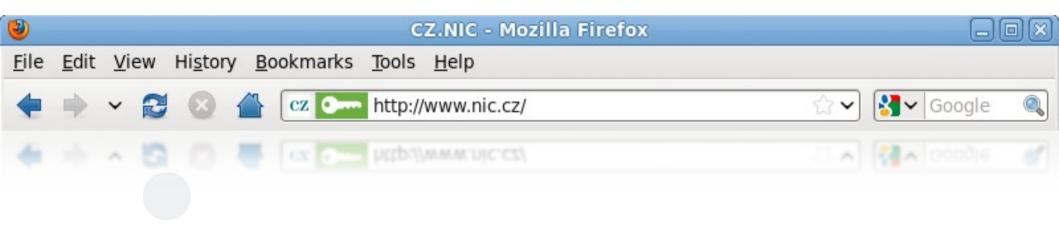
Would you like to provide the information about the errors and advantages of your device?



Download DNSSEC Hardware Tester Mac OS X 10.6 version (7MB)

All operating systems

DNSSEC validator



- validates domain name in the address bar
- download at www.dnssec-validator.cz

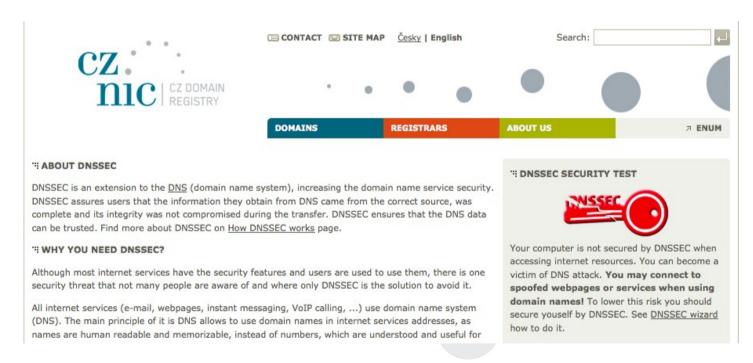
DNSSEC validator

or search for DNSSEC at Mozilla Add-ons



Open validating resolvers

- Do you have a validating resolver?
- Go to www.dnssec.cz and check:



Public validating DNSSEC resolvers.

DNSSEC "products" promotion

day 1

milk chocolate

cocoa solids: 32%

weight: 49,5g

best before: 1.4.2011

DNSSEC "products" promotion

day 2



Thank you

Questions?

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