



Fundação para a Computação Científica Nacional  
*Foundation for National Scientific Computing*

# DNSSEC Workshop @ ICANN

Activities from the Region:

- DNSSEC deployment in .pt

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- About us
- Scope
- Goals
- Initiatives and Support
- Developments on .pt
- Next Steps

- It's FCCN's (Foundation for National Scientific Computation) responsibility since 1988, within the scope assigned to it by the IANA organization to manage, register and maintain the domains under the .pt ccTLD, the top level domain for Portugal;
- We have come a long way before reaching nearly 300.000 registered domains in 2009, of which 135.000 where active with an average of 4.000 domain registration per month.



To provide a more secure DNS service helping the Portuguese Internet Community with the DNSSEC adoption and usage.

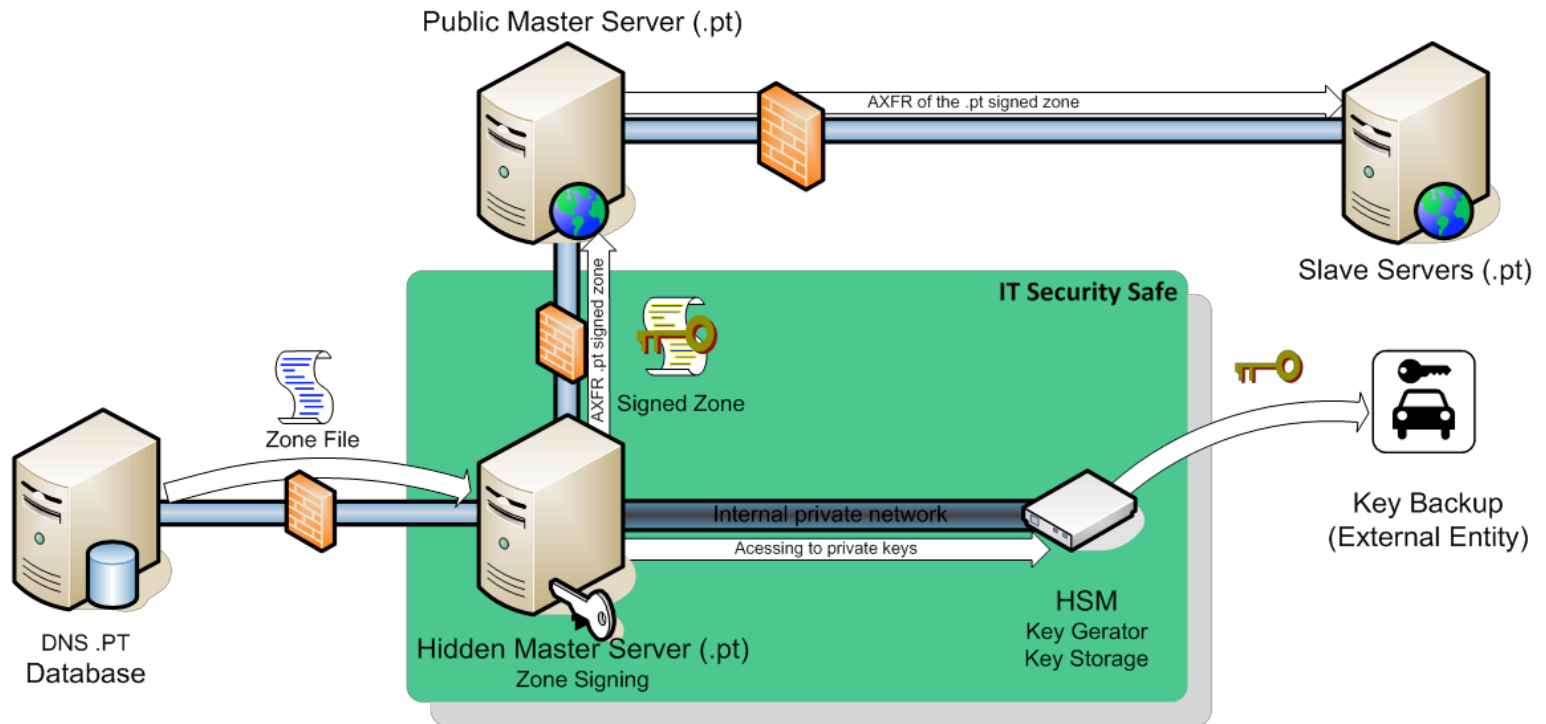
- Offer a better and more trustful service;
- Promote DNSSEC implementation;
- Share knowledge and experience;
- Provide deployment documentation;
- Support technicians developing DNSSEC;
- Apply best practices concerning to security and data protection.

- Testbed under dnssec.pt to users *for free*:
  - <http://www.dnssec.pt>
- Conferences, meetings and workshops;
- Theoretical and technical documentation;
- Press releases, flyers and online news;
- Induce entities on the NREN to adopt DNSSEC;
- Persuade the bank, judicial and government entities as well.

- DNSSEC survey;
- DNSSEC public information sessions;
- DNSSEC technical workshop;
- Technical support documentation;
- Direct access to DNSSEC mailing-lists and technical contact;
- DNSSEC Policy and Procedures Declaration a document of reference to calculate the level of confidence which the DNSSEC of the .pt confers to the various intervening entities in the described processes.



- Acquired infrastructure model with high level security, stability and performance.





- Since 4<sup>th</sup> of January 2010 .pt is signed and in production, available for all end users;
- We achieved 29 active .pt domain names with DNSSEC in the begin of June 2010.

## The Portuguese Domain

Managing Domains
Search Domain
Registrars
Whois

### On-line Domain Management

Process	Domain	Hierarchy	Status	Submission Date	Paid up to	OE	ME	AC	TC
396741	saramonteiro	.nome.pt	ACTIVE	03/12/2009		S	N	N	S

Check: [Process File](#)

Options OE: [Delete Domain](#) | [Code for changing ME](#) | [Taking on the Management](#)

Options TC: [Technical changes](#) | [Assessment Request](#) | [DNSSEC](#)

### DNSSEC

The table below has the information related to the keys associated to your domain in the scope of signing domain names with DNSSEC.

To publish new keys, remove previous published keys or change the state of keys referring to your zone you should do the changes here:

Key Tag	Algorithm	Type	Digest	Active	Since
28824	7: RSA/SHA-1 (NSEC3)	1	4C15DE1F351C204E31B8D1CE2972E147D05A29C1	Yes	27/01/2010 16:14 <input type="checkbox"/>

Changes: [Activate](#) [Disable](#) [Remove](#)

- DNSSEC Integration with the EPP system;
- Automating the update of RRs (Dynamic Updates);
- Improve the knowledge of the ccTLD .pt team concerning to DNSSEC;
- Continuing to host DNSSEC workshops
- Participate in meetings and “spread the word” about DNSSEC@.pt;
- Enhance of our system in regard to DNSSEC.

Thank you for your attention



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