# 2 years of DNSSEC

*@ ccTLD .pt*

**Sara Monteiro**
*DNSSEC Workshop in Prague 27 June 2012*

## 2010

- *January:*
  - ▸ DNSSEC launched on the 4<sup>th</sup> day
- *June:*
  - ▸ Achieved 29 active domains with DNSSEC
- *December:*
  - ▸ Since 2007 where held 9 DNSSEC hands-on technical workshops and presented 17 DNSSEC dissemination sessions

# 2011

- *March:*

  ‣ New information system and website

  ‣ New technical reviewer with preferential IPv6 name servers, DNSSEC zone detection and DS activation by default

- *June:*

  ‣ 60 signed domains with DNSSEC

- *December:*

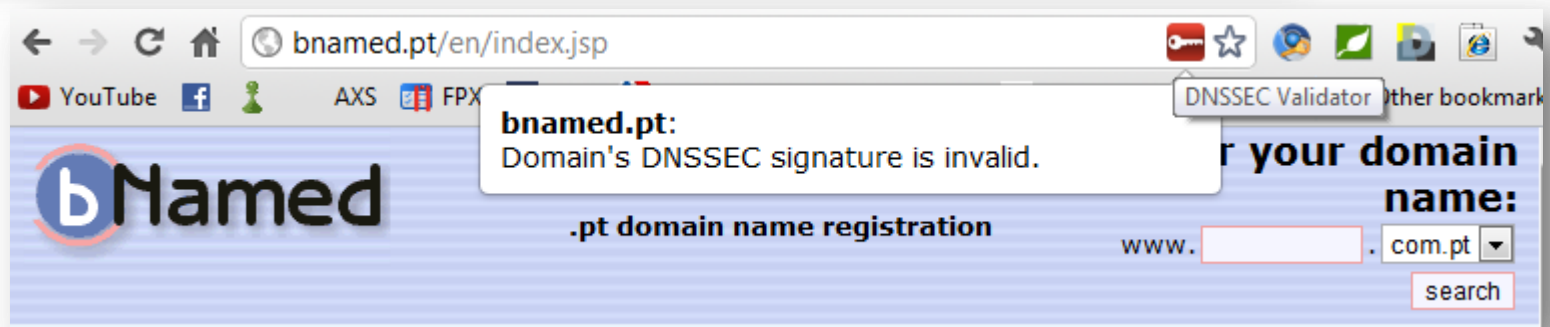  ‣ 7 DNSSEC hands-on technical workshops and presented 2 DNSSEC dissemination sessions

## 2012

- *May:*
  - ▸ Rules liberalization for registration under .pt since 1st day
- *June:*
  - ▸ Nearly 500.000 registered domains
  - ▸ Just 250.000 of the registered domains are active
  - ▸ 147 Registrars for .pt all over the world
  - ▸ 69 signed domains with DNSSEC
  - ▸ 2 DNSSEC hands-on technical workshops and presented 1 DNSSEC dissemination session

- Since 2009 there where no more than 6 requests to delegate a free domain name under dnssec.pt hierarchy for DNSSEC tests proposes
- Still no Registrars have develop and provide the DNSSEC service for .pt customers… that we know
- The NREN (National Research and Education Network) has been the more active and participative on the DNSSEC matter
- No inducement had result to persuade the bank, judicial and government entities to adopt DNSSEC

- Insufficient knowledge on the technical management of DNSSEC and bad technical operations… ignorance… unawareness?!

- In a regular .pt day, queries are…
  - 27 RRSIG (0,00013%)
  - 185 NSEC (0,0087%)
  - 12981 DNSKEY (0,063%)
  - 380693 Delegation Signer (1,85%)

- Mainly for the domains:
  - .pt (65%)
  - dns.pt (30%)
  - others domains (5%)

- How to reach back Registrars and end users in the matters of DNSSEC?

- Are the end users avoiding DNSSEC because of a existence of a Registrar fee?

- Should TLDs oblige the adoption of DNSSEC to a certificated Registrar?

- Zone transfer implies a new key generation or DNSSEC removal?

- What should be the key submission security level?

- What should be the key validation criteria and process?

- TLD responsibility or user responsibility?

# Best regards and thank you!

## www.fccn.pt | www.dns.pt | www.dnssec.pt