DNSSEC experience at NIC Chile (...so far)

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How & Why?

- **Approach to the project**
  - IETF, NANOG, DNS-OARC, RIPE, LAC community

- **Motivation**
  - Improve the security for our clients
  - Gaining experience for the region
  - Being in the *bleeding-edge* of our core business (yes, but…)
  - Signing .CL before not far from the root
Some History

• First Steps
  – 2004-2006: First lab-tests
  – 2007: Starts the “worry”
  – 2008-07: Formal investigation start
    • Technical staff + NIC Labs Chile
  – 2008-11: Creation of internal working group
    • Different areas involved: Development, Operations, DNSAdmin, NIC Labs
  – 2009-06: First Testbed
Some History

- 2010-01: DURZ
- 2010-04: DUCLZ
- 2010-05: Root Signed
- 2010-11: End DUCLZ. Real KSK without DS
- 2011-04: DS in root / DPS
- 2011-11: Accept DS from clients
Decisions

• Technical Implementation => Policy

or

• Policy => Technical implementation
Decisions

- Well...
- They were balanced
- DPS based in .SE an Root documents
- Reviewed by a group of specialists (Richard Lamb, Joe Abley, Steven Hunter, Phil Regnauld, Hervey Allen)
- A lot of scripts (Don't think, just follow the script!)
- Physical and logical security
And now what?

• Lack of interest in the community
  – Need to involve key actors
• More and more scripts
• Automatize some manual steps