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*DNSSEC Adoption*

*Icann 45, October 17<sup>th</sup>, 2012*

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# *DNSSEC story at AFNIC*

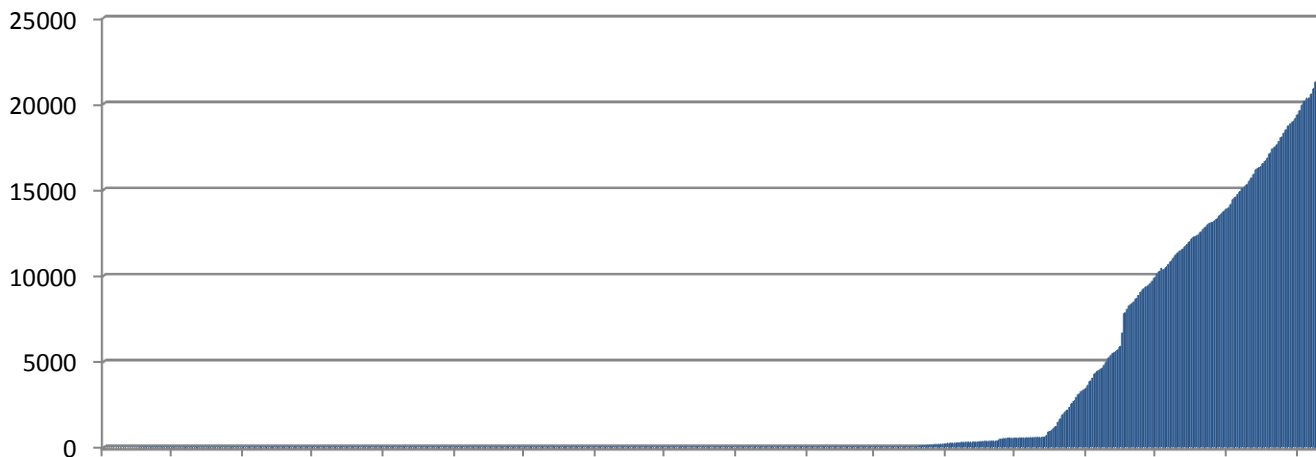
- ✓ AFNIC operates 6 ccTLDs (.fr/.re/.pm/.tf/.yt/.wf) for now. More than 2.5 millions domain names registered by 600 registrars.
- ✓ AFNIC was chosen as back-end registry for 17 new gTLDs (DNSSEC is part of the package...).
- ✓ DNSSEC was introduced in september 2010. DS registration launched in April 2011 (Web/EPP).
- ✓ Some uncommon technical choices (NSEC3+Opt-out+Dynamic Updates) lead to some outages during the first months of operation. Since 18 months, everything works fine with several key rollover per month...
- ✓ Our 6 ccTLDs are signed and contain signed records,  but...

# *DNSSEC early-adopters at AFNIC*

- ✓ ...after one year of operation, only 50 signed zones with DS announced (16 registrars involved).
- ✓ We found out that other registrars had signed zones but without DS announcement.
- ✓ We decided to think of the best way to promote DNSSEC.
- ✓ DNSSEC training course, surveys, ...
- ✓ Various answers to our first survey but allow us to plan our infrastructure's growth. The goal is to deal with a large amount of signed zones to come.

# *Increase of DNSSEC registrations*

- ✓ Since 6 months, constant growth…
  - ✓ 10 new registrations with DS per day 6 months ago.
  - ✓ 150 new registrations with DS per day since 3 months.
- ✓ Today, 24 000 signed zones
- ✓ 100% of these zones are well configured and validate.



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# *DNSSEC larger adoption*

- ✓ Some of our largest registrars plan to sign their complete portfolio... but not before late 2013... No large demand from their customers.
- ✓ Still very few proportions of french users use DNSSEC-validating resolvers.
- ✓ AFNIC is about to launch a 5 years DNSSEC promotion plan alongside with our registrars.
  - ✓ Too early to give details, but the content, objectives and planning will be defined by the end of this year, as well as the appropriate communication.
- ✓ In preparation for that, we plan to improve soon, our publication processe and our signature infrastructure.

*Thank you !*

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