

afnic

*Promoting DNSSEC
2013 results, 2014 action plan*

afnic

Introduction

- Afnic, a French non profit association, was created in 1998.
- Afnic operates 6 ccTLDs (France and some of its overseas territories):
 - [.fr](#), [.re](#), [.pm](#), [.tf](#), [.wf](#), [.yt](#).
- Afnic is a back-end registry for 17 gTLDs: [.paris](#) and [.frogans](#) already in the root zone, others will follow soon.

DNSSEC History of Afnic in a World Timeline

2007 : .se registry is the first to sign a TLD.

December 2009 : Start of Root zone signing process. In 6 months from that date, the Root zone will be fully signed and operational.

Early 2010 : A dozen of TLDs are signed, many TLD operators claim they will sign soon...

September 14th 2010 : Afnic .fr and .re TLDs are signed. By the end of 2010, all 6 Afnic ccTLDs are signed.

April 19th 2011 : Afnic registrars can submit DS through EPP and Web interfaces.

1 year later : only 50 zones signed with DS published (16 registrars involved).

October 2013 : Afnic launches a multi-year DNSSEC promotion strategic plan (5 years).

2013 DNSSEC promotion Actions

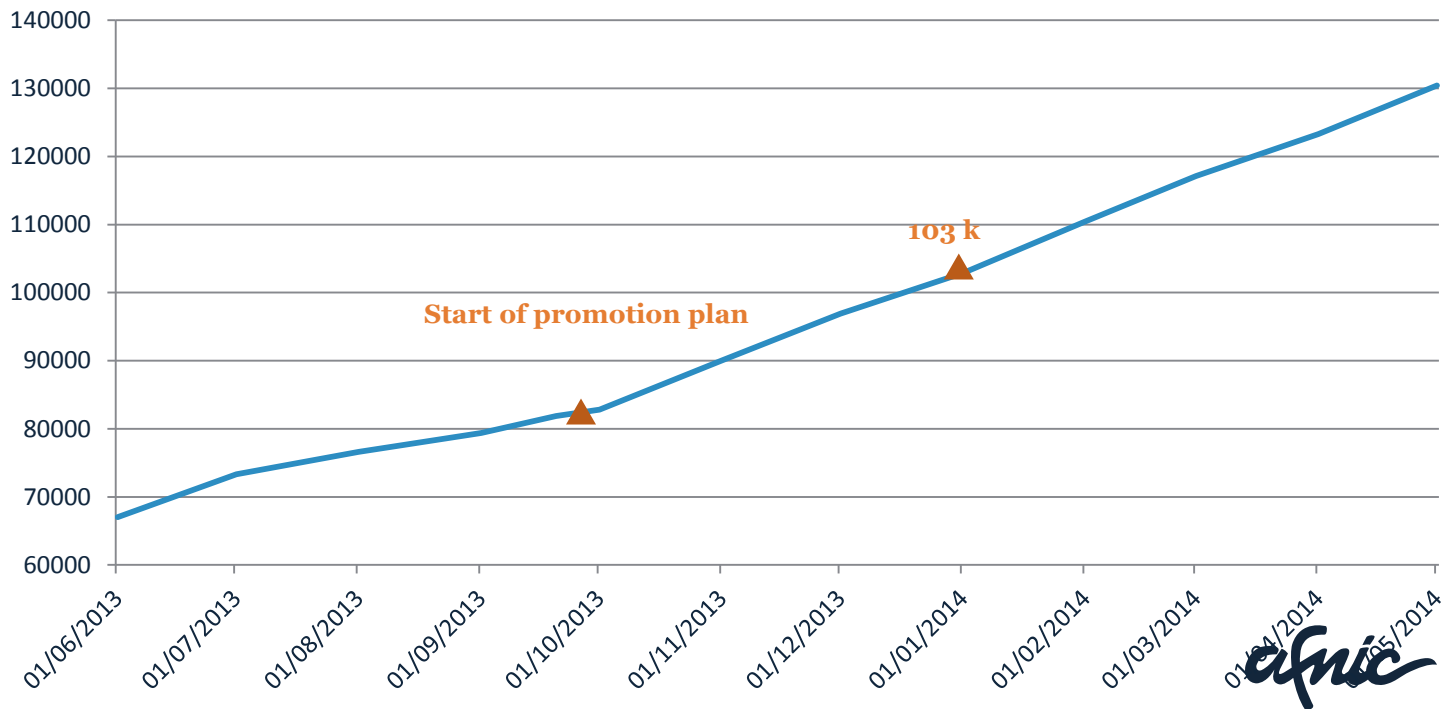
- ✓ A **practical Guide to DNSSEC deployment** written in **French** and English. This implementation and deployment manual provides practical guidance for DNS hosts to configure DNSSEC on their infrastructures.
- ✓ A **10% discount** (for **.fr** registrars).
 - For new/renew zones signed (under certain circumstances) during October to December 2013 period.
- ✓ A **DNSSEC training** program in partnership with HSC for those involved in DNS hosting in France.

Focus on DS number growth

✓ Promotion plan results :

- 200 DS/day when the financial incentive campaign ended (was 150 at the beginning).

➔ +25%



2013 final results

- ✓ Growth of published DS in **.fr** since project start :
 - + 57% (from 67k to 103 k).
- ✓ Number of Afnic registrars with at least a domain name signed :
 - + 100% (from 31 to 62).
- ✓ Number of Afnic registrars with at least 10 domain names signed :
 - + 86% (from 7 to 13).



- ✓ End of April 2014, **.fr** zone is more than 2,78 millions domain names.
- ✓ 135 000 domain names signed :
 - 4,9% of total.
- ✓ 64 registrars with at least a domain name signed :
 - 12% of all Afnic registrars.

Other Afnic zones facts

- ✓ **.re** : 23 000 domain names / **6,5%** are signed.
- ✓ **.pm** : 5 800 domain names / **3,5%** are signed.
- ✓ **.wf** : 3 000 domain names / **3,1%** are signed.
- ✓ **.yt** : 2 500 domain names / **10%** are signed.
- ✓ **.tf** : 2 300 domain names / **5,3%** are signed.

2014 Promotion Action plan (1/2)

- ✓ New revision of the **practical Guide to DNSSEC deployment**. Additional parts focused on DNSSEC monitoring tools and configurations.
- ✓ A new financial incentive campaign : **20% discount** (for **.fr** registrars).
 - For new/renew zones signed (under certain circumstances) during July to December 2014 period.
 - ✓ Registrars need to sign a minimum amount of domain names to get the discount.

2014 Promotion Action plan (2/2)

- ✓ The **DNSSEC training** program in partnership with HSC continues with 2 sessions by the end of the year.
- ✓ « **DNSSEC HowTo** » : First live session will be organised on the 1st of July. Others will follow depending on the demand.
 - Share operational experiences.
 - Not only for our registrars.

Thank you!

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