Promoting DNSSEC
2013 results, 2014 action plan
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 whose 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 103k).

✓ 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!