Zonemaster

.SE & Afnic

Collaboration

- Based on DNSCheck and Zonecheck

- Collaboration between AFNIC and .SE

- New shiny name

Reasons

- DNSCheck needed rewriting

- Zonecheck written in Ruby, nobody at Afnic that knew the Zonecheck internals

- Create a new reference tool

Project status

- Project started in ~ October 2013

- Majority of work up until now has been requirements documents and specifications

- The new test framework is in place

Requirements

- For version 1.0

  - All features from current Zonecheck and DNSCheck combined

  - All implemented test cases from both projects combined

Test specifications

- Loosely based on IEEE 829-2008

- Master Test Plan

  - Test Levels

    - Test Case

Test levels

- Basic (initial tests)

- Delegation properties (parent and child name servers)

- Consistency (all name have consistend answers)

- DNSSEC properties (algorithms, secure delegation)

- Address properties (IP addresses)

- Name server properties

- Name server Connectivity

- Zone properties (are data controlling the zone sane)

- Syntax (illegal hostnames and characters)

Review of test cases

- We have now written all test cases as specifications

- Internal review is finished

- Currently out for internal review - please join!

- Implementors are also "final" reviewers

URLs

- https://github.com/dotse/zonemaster

- Specifications: https://github.com/dotse/zonemaster/tree/master/docs/specifications/tests (http://goo.gl/EoIsNp)