DNSCheck

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What does DNSCheck do?

 DNSCheck is a program that was designed to help people check, measure and hopefully also understand the workings of the Domain Name System, DNS. When a domain (aka zone) is submitted to DNSCheck it will investigate the domain's general health by traversing the DNS from root (.) to the TLD (Top Level Domain, like .SE) to eventually the nameserver(s) that holds the information about the specified domain (like iis.se). Some other sanity checks, for example measuring host connectivity, validity of IP-addresses and control of DNSSEC signatures will also be performed.

What makes DNSCheck special?

- Checks previously used name servers in redelegations done after February 2007 (only .SE-zones though)
- Checks the full .SE-zone periodically (Health check)
- Clarifies any found warnings/errors
- Saves history for tests done / domain
- Advanced tab in GUI for techies
- Written as modular code which helps reuse of whatever functions that are needed elsewhere
- Open source with a BSD-license
- Able to fully test undelegated domains



Built for tomorrow

- DNSCheck runs all checks that are performed over IPv4 over IPv6 (if configured to do so and IPv6 connectivity exists, of course).
- Testing DNSSEC on found nameservers, some sanity checks like presence of legacy algorithms, if additional processing is on & following the chain of trust (if one is present, a zone must not have one but if it does it must work).

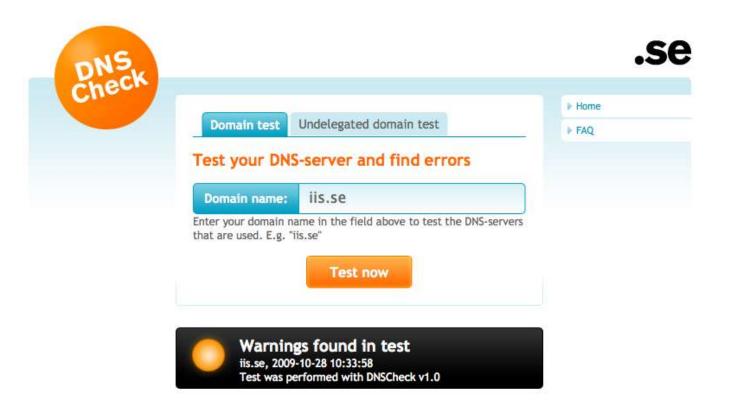


How about a live test?

http://dnscheck.iis.se

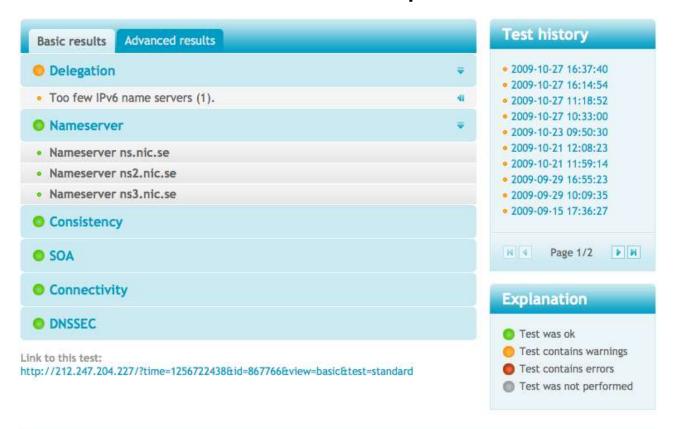


DNSCheck GUI part 1(3)





DNSCheck GUI part 2(3) [basic]



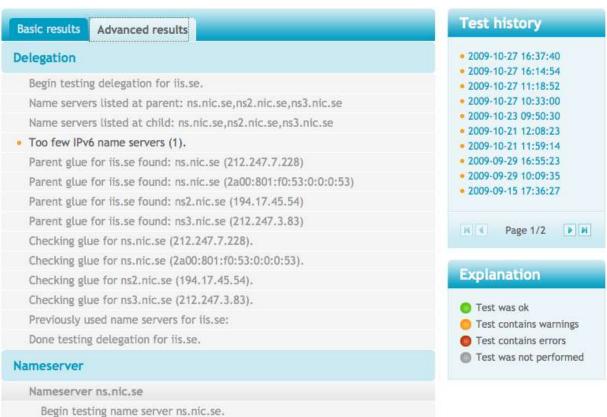
Language: English +

DNSCheck GUI part 3(4) [basic]



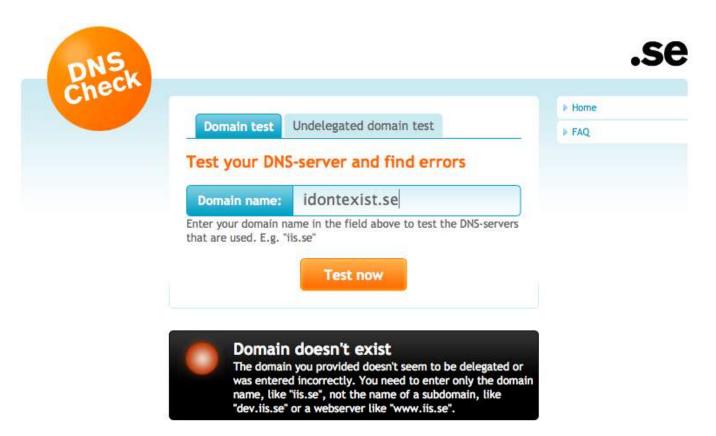


DNSCheck GUI 4(4) [advanced]



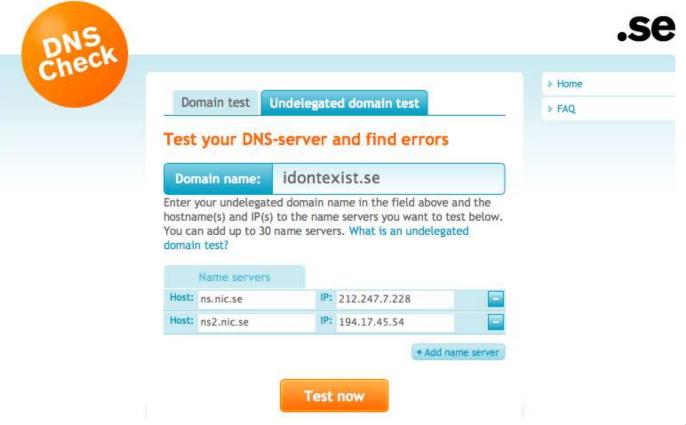


So what's this "undelegated"?





Let's lie about the parent...



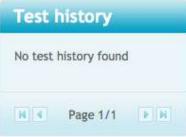


Ns.nic.se knew nothing, but...



Note: This test was performed on a undelegated domain







Do you want to know more?

- # Adress to current running DNSCheck http://dnscheck.iis.se
- # Adress to the source code of the new DNSCheck http://opensource.iis.se/trac/dnscheck
- # Adress to the developers of the GUI http://www.pingdom.se
- # Adress to the previously used DNSCheck http://www.dnscheck.se

