DNSEXT update

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WG Hot Topics

- draft-ietf-dnsext-wcard-clarify-05
  - How to deal with *.example.com NS and *.example.com DNAME
  - Rather esoteric corner cases that for consistency need addressing.

- SHA1 impact on DNS
  - No Panic!
  - We should start working on replacing SHA1 by a successor

DNSSEC denial of existence

- draft-ietf-dnsext-signed-nonexistence-requirements-01
  - Documents what is expected from a denial of existence proof
- draft-ietf-dnsext-dnssec-trans-02
  - Documents possible transition mechanisms to a DNSSEC with new features

Synthetic NSEC approach:

- draft-weiler-dnsext-dnssec-online-signing-01.txt
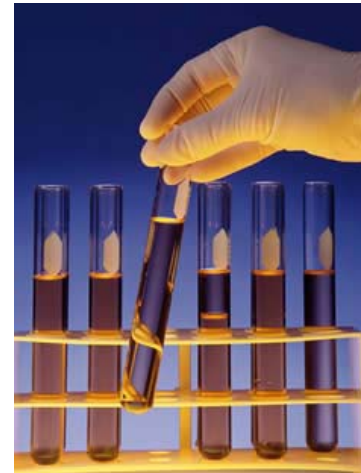- draft-sisson-dnsext-dns-name-p-s-01.txt

HASH based:

- draft-ietf-dnsext-nsec3-01

New Response code:

- draft-gieben-bert-response-00

More WG active groups

- draft-ietf-dnsext-trustupdate-threshold-0
- draft-ietf-dnsext-trustupdate-timers-0
  - Proposals for automatic key rollovers.
  - Stalled because of IPR issue

- draft-ietf-dnsext-dnssec-experiments-00
  - Describes the use of private algorithms for experimenting with DNSSEC features
- draft-ietf-dnsext-dnssec-opt-in-06
  - The original OPT-IN ported to "experimental space"

WG Final stages

Concluded WG last call:

- LLMNR changes
  - Issues keep popping up, almost finished, new WGLC will be issued
  - draft-ietf-dnsext-mdns-39
- TSIG SHA-1
  - draft-ietf-dnsext-tsig-sha-01
- RFC2538bis CERT RR
  - draft-ietf-dnsext-rfc2538bis-01.txt

WG stalled
- draft-ietf-dnsext-rfc2536bis-dsa-4
- draft-ietf-dnsext-rfc2539bis-dhk-4
- draft-ietf-dnsext-ecc-key-5

DNSSEC

4033, 4034, 4035

Challenges

- Keeping momentum on the remaining DNSSEC work

- Moving from proposed standard to draft
    – Volunteers needed for interoperability test

- Review of various documents like DNAME

It's the IETF **you** can participate too.