DNSEXT @ IETF-76

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WG status

• See:

• New charter:
  – http://tools.ietf.org/wg/dnsext/charters

• Presentations:
  – http://tools.ietf.org/wg/dnsext/agenda

• Scribes:
  – Minutes:
  – Jabber:
  – Slide Monkey: Ed Lewis
DNSSEC drafts

- DNSKEY registry states  Scott Rose (proxy: Olafur)
- DNSKEY registration rules  Paul Hoffman
- DNSSEC GOST WGLC comments
- DNSSEC-bis-updates
DNSSECbis Trust Anchor
“selection”

• Options:
  – Closest
  – All must work
    • Try all; all must be SECURE
  – Any may work
    • Try until you get (any) SECURE
    • If any yield BOGUS, and all the others are INSECURE, result is BOGUS
    • If all INSECURE, result is INSECURE
Drafts in adoption queue

- Documents asking to become WG documents:
  - draft-hoffman-dnssec-ecdsa
  - draft-hoffman-dnssec-dsa-sha2
  - draft-barwood-transport-signal
DNS and TCP transport

• DNS TCP transport
  – TCP Transport Required
    • Ray Bellis

• TCP security considerations
  – Fernando Gont

• Stateless TCP
  – Geoff Huston
DNS Transport model

• Answer size =
• 1..512  UDP sufficient  Standard DNS
• 1..1480  EDNS0  Enhanced DNS over UDP
  • Some fire walls block ENDS0 or EDNS0 > 1024

➤ 1500  EDNS0
  ➤ EDNS0  unreliable for many due to fragmentation, middle boxes, firewalls, bad DNS software ....

• Fallback == TCP
  • It is required currently but not frequently used, we expect it to become used more frequently.
Other