Multi Provider DNSSEC

draft-ietf-dnsop-multi-provider-dnssec-01

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Problem statement

• Deploying DNSSEC in zones simultaneously signed by multiple DNS providers.

• Presented at IETF101; Adopted right after IETF102
Updates since last version presented

• Refocus draft only on the Multi-Signer models
• New section: Provider Migration/ Inter Provider Hand off
• New section: Key Management functions (API requirements)
• Security Considerations: now has text
Pending Work

• Next version: rename title to “Multi Signer DNSSEC Models”
• Add “Pros & Cons” section that compares the 2 models.
• Flesh out Inter-provider handoff section
• Explain how CDS and CDNSKEY use works in these models
  • Brought up recently on the mailing list.
• Do we need to flesh out an abstract API for key management?
Running code

• We want to continue developing some implementations
• Deployed prototypes of both models at the IETF102 hackathon
• Preliminary Key Management Provider Interface (by NS1)
• Looking at support in Open Source implementations
  • Have done some tests with BIND; others planned.