Multi-Signer Project

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Goals of the Multi-Signer Project

- Tackle the generalized case of the operation of DNS zones across multiple distinct signers
  - i.e. distinct DNS operators serving the same DNS zone co-operatively, with their own set of DNSSEC signing keys.
  - Including automation of DS (Delegation Signer) configuration
- Consider specifically:
  - Steady State Multi-Signer operation
  - Transient States of Multi-Signer operation, which are especially useful for enabling non-disruptive transfer of a signed zone from one DNS operator to another (a frequent point of pain today)

Goals of the Multi-Signer Project

- Setup prototype testbeds of Multi-Signer configurations
- Document operational methods and recommendations
- Investigate Multi-Signer support in open source software and managed DNS platforms
- Investigate (and develop?) toolkits that facilitate multi-signer operation by a zone owner
- Identify gaps in the current DNSSEC protocol specifications, and if so, propose protocol enhancements to close them