Requirements for Automated Key Rollover in DNSsec

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draft-guette-dnsop-key-rollover-requirements-00.txt

- Overview:

  - Key rollover can be very expensive

  - Example: .com with 10% of KSKs renewed once per year: 300 rollovers per day!

  - So key rollovers should be automated

- Requirements (samples):

  - Key chains must remain valid at any time

  - Caches must be taken into account

  - Private keys can (could!) be on other boxes

- Open issues (samples):

  - Emergency key rollovers

  - …

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Conclusion

- Read it, contribute, etc!

- Coordination with dnsext?

- Mechanisms/protocols?

- Working group item?

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