Tools to Help DANE Adoption

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Object Security via S/MIME (libsmaug)
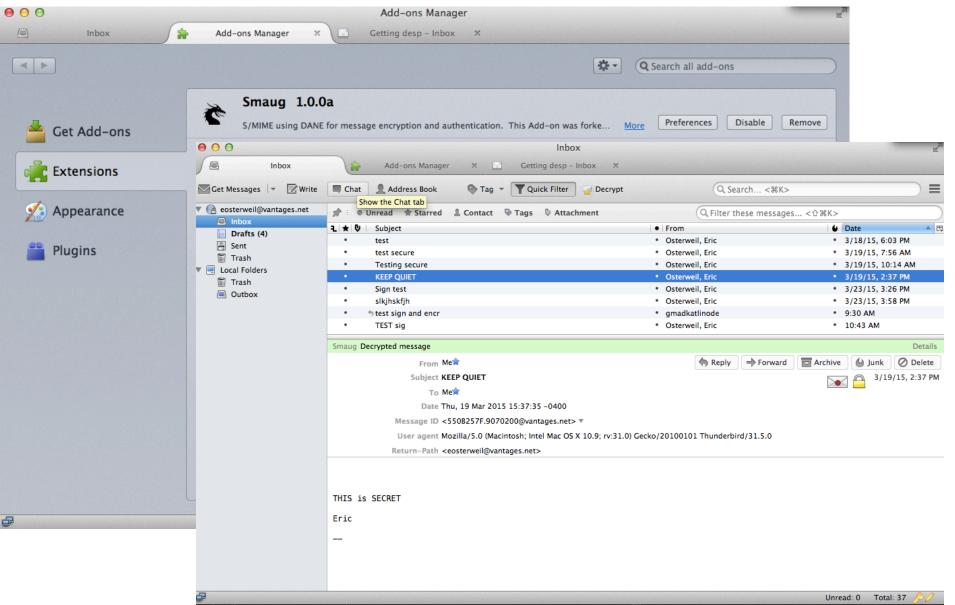
- We've made some interesting observations, having implemented S/MIME with DANE

- The association between ID and crypto is nuanced

- Not *everything* has to be in DNS, it may just start there (ala URIs in the "Access" field)

Object Security via S/MIME (libsmaug)

- libsmaug leverages DANE for object security in applications
  - Email is just *one* use of S/MIME
- libsmaug optionally uses full featured resolver
- Implementation
  - Open source
  - C/C++
  - https://github.com/verisign/smaug and https://github.com/verisign/smaug-tbird-plugin

Thunderbird Add-on

DANE Provisioning

- Promote experimental RR types
- DANE Provisioning Portal
  - Free
  - Web UI and REST API
  - Per-RR Authorization
  - Tied to an authoritative name server
- Open invitation to leverage DANE Portal
  - Send requests to: eosterweil@verisign.com or gwiley@verisign.com
  - https://dane-provisioning.verisignlabs.com

Thanks

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