Status Report

SIDR WG
IETF 66 Montreal

Current Status

- APNIC::RFC3779 v0.6 released

  - Modular code to parse 3779 certificate profile requests, certificates and crls, PEM or DER

  - scripts to run verified repository, cgi submission

  - Tools to help openssl CA signing of 3779 certs

- RIPE-NCC Cara V0.5

  - 3779 RA CA interactions under client,server certificates

  - Range checks

Service status

- APNIC Trust Anchor published at

  – http://mirin.apnic.net/resourcecerts

- APNIC repository visible by rsync at

  – rsync://repository.apnic.net/APNIC

- Upload via

  – http://mirin.apnic.net/cgi/feedrepos.cgi

    - Any verifyable product from TA down accepted

    - Converts all inputs to g(SKI)-serial.cer in DER

In test/development

- Luna CA3 HSM
  - Currently restricted to openssl 0.9.7
    - No sha256
- Intend deploying Cara v.05 as RA-CA manager
  - Issue RO certificates to other RIR for inter-RIR testing, receive 'various registries' certs from them
- APNIC portal coding
  - Basic gui modelling, 'collections'
  - Targetting APNIC Taiwan / RIPE-NCC (Sept/Oct)