


Asia Pacific Network Information Centre

APNIC




APNIC Certification Authority Overview

APRICOT 2005
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Motivation

- In response to
 - Membership concern for greater security
 - Confidential information exchange with APNIC
 - Is my database transaction secure?
 - Whose prefixes do you accept?
 - Internet community interest in security, PKI, digital certificates
 - e.g. rps-auth, s-bgp
 - IETF working group: PKIX

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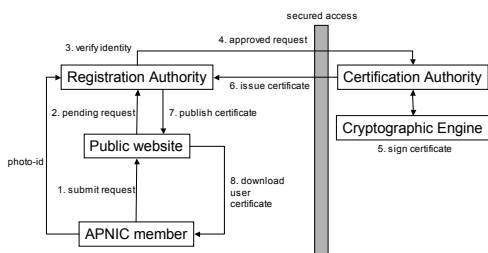
Scope

- Establish a trusted environment within APNIC community by operating a Certification Authority
 - Certificate issued to APNIC member
 - Corresponds to *Membership* of APNIC
- A test bed for new internet security technologies and applications

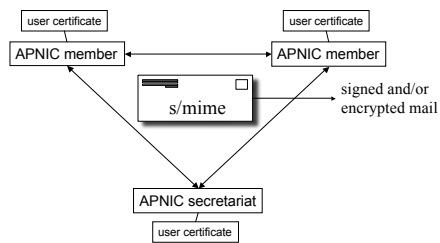
Objective

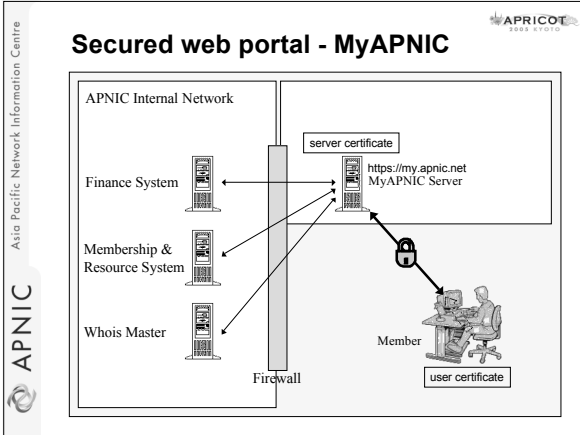
- Provide uniform mechanism for all security needs:
 - Encryption and signature of email with APNIC
 - Authentication of access to APNIC web site
 - Secure maintainer mechanism for APNIC database
 - Authorisation mechanism for Internet resources
 - Assertion of resource delegation
 - » IPv4
 - » IPv6
 - » ASN

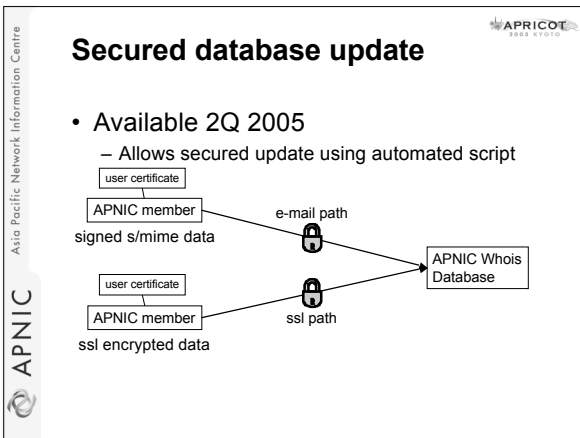
APNIC CA configuration

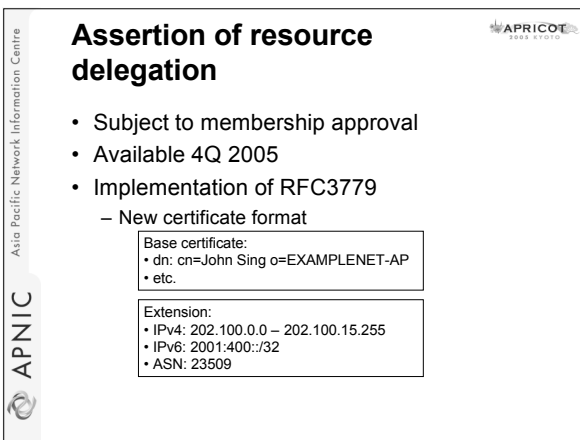


Secured e-mail











For more information

- APNIC public website
– <http://www.apnic.net>
- Certificate request
– <https://www.apnic.net/ca>
- MyAPNIC
– <https://my.apnic.net>
