Technical Area Report

Siamak Hadinia, Infrastructure Service Manager

Key Deliverables

- Delivering Value
    - APNIC Meeting support
    - Quality Assurance
    - Redundancy improvements on all IPv4 and IPv6 services
    - DNSSEC deployment
    - IN-ADDR.ARPA transition

Key Deliverables

- Corporate Support
  - Office relocation
  - Agile methodology
  - Co-location triangle architecture
  - Support for project work

Delivering value

- Full production standard for IPv6 across all services

- Redundancy improvements on all IPv4 and IPv6 services

- Resource Certification
    - NRO Global RPKI milestone reached 01/01/11

Delivering Value

- DNSSEC deployment
  - Signing APNIC's zones
  - Increase in load matched predictions
  - IANA signed IN-ADDR.ARPA in February

Delivering Value

- Serving IN-ADDR.ARPA ; one of six labels serving this zone
  - e.in-addr-servers.arpa
  - Collaboration with RIRs and IANA

Delivering Value

- APNIC Meeting support
  - New web-cast setup
    - Supporting more streaming formats (Quicktime, Flash, and Mobile)
  - Meeting improvement plan
    - Streamlined setup and system complexity
    - Improving quality of presentation output

Collaborating and Communicating

- NRO collaboration
  - Supporting DNSSEC in the ERX blocks with the other RIRs
  - Supporting AfriNIC's RPKI development with software and expertise
  - Staff Exchange with RIPE NCC and AfriNIC

Collaborating and Communicating

- Traffic measurements of RQA
  - Ongoing R&D collaboration with Merit, NTT Communications (Yoshida), and AARNet
- DNS-OARC measurement activities
  - DNSSEC deployment
  - IN-ADDR.ARPA transition
- DNSSEC stale key threat identified
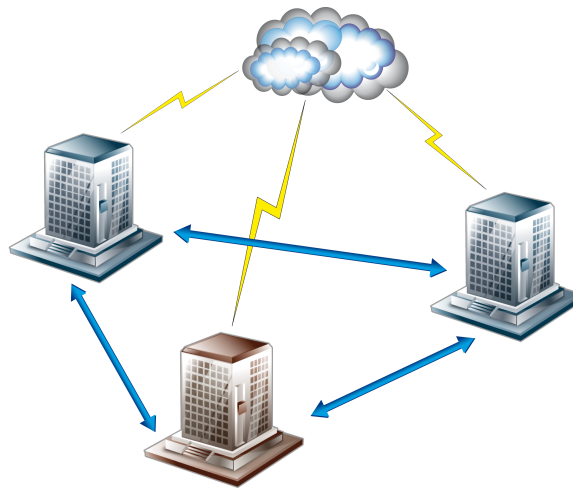
Corporate Support

- Office relocation
  - Implementation of:
    - Network
    - Phone service
    - Internet connections
    - Security systems
- Agile methodology
  - Comprehensive training
  - Daily stand-up meetings

Corporate Support

- New co-location facility
  - "Triangle" architecture for redundancy
  - Connected to existing co-lo and to office
  - Used for office relocation in 2010

Corporate Support

- Software and system support for project work, including:
  - MyAPNIC improvements
  - ARMS staff portal improvements
  - Events registration and support systems
  - IPv6 Kickstart program

Thank You!