What's happening within APNIC

AUSNOG 03

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APNIC

APNIC Surveys

- Four surveys previously…
  - Members and other stakeholders
  - Conducted independently (KPMG)
  - Guaranteed confidentiality
  - Face-face, written and online response
- Fifth survey – 2009
  - Launched December 2008
  - Published February 2009

APNIC Key Activities

Top 10 Areas for Resource Allocation

1. Research and development activities (for example: network monitoring and measuring, routability testing)
2. Support network engineering education in the Asia Pacific region
3. Support of IPv6 deployment
4. Expand training activities in scope, geographical coverage and online options
5. Increase the support of the community's efforts to adopt IPv6
6. Streamline resource requests and allocation processes
7. Further development of resource certification to support better routing security
8. Expand network monitoring, reporting
9. Develop web services for automated data exchange with external systems
10. Deploy more DNS root servers in the Asia Pacific region

2009 Member Survey: www.apnic.net/ec

Technical research and development

1. Research and development activities (for example: network monitoring and measuring, routability testing)

- Coordinating with other RIRs on global Resource Certification
- DNS service alterations to observe
  - DNSSEC implementation
  - Anycast deployment

Education

2. Support network engineering education in the Asia Pacific region

- Lab expansion:
  - Members can have greater access to APNIC lab for v6 test bed and education and development
- Collaboration with Team Cyrmu to assist with facility expert security training in AP region
- Tunneling project with AUSCert

Support of IPv6 deployment

3. APNIC IPv6 Program

- Activities
  - Address Distribution
  - Education and training
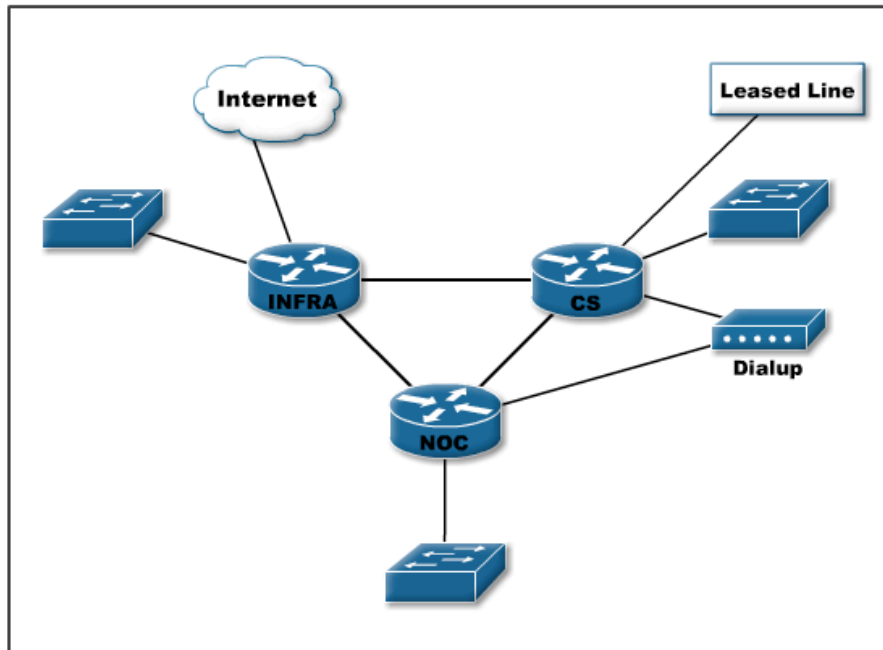 - Policy Development
  - Information Source

http://www.apnic.net/ipv6

Education

4. Expand training activities in scope, geographical coverage and online options

- E-learning
  - Expansion across region and time zones
- Self-paced learning
  - Launching at APNIC 28
- First-time training in Myanmar (in planning)

Self Paced e-learning

APNIC

Network Plan: Initial

Internet

Leased Line

INFRA

CS

Dialup

NOC

In the following slides, we will examine the construction of the network plans for the network at it's initial stage, at 6 months and at 12 months of proposed operation.

The illustration on the left is a good representation of the structure of a typical ISP operation in it's initial phase.

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APNIC Training, 2009

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Supporting IPv6 deployment

5. Increase the support of the community's efforts to adopt IPv6

- Government liaison
- IPv6 summits, NOGs, APEC etc
- IPv6 training
- Additional IPv6 advanced modules
- Completed "IPv6 transition" at APNIC
  - http://www.mrp.net/IPv6_Survey.html
- New marketing materials and multimedia
- Improved IPv6 support in MyAPNIC …

Resource delegations

6. Streamlining resource requests and allocation processes

- New MyAPNIC features
  - Request for initial resources
    - Easy step-by-step guide
  - Request for subsequent resources
    - Automatic utilisation calculation

- Improved, integrated membership sign-up & resource request form

Routing security

7. Further development of resource certification to support better routing security

- Refining and expanding Resource Certification services for members
- Developing open, interoperable standards on resource certification and routing in the IETF

Network monitoring

8. Expand network monitoring, reporting

- Test Traffic Measurement (TTM)
  - Sponsorship of 12 Asia Pacific Nodes
  - Important Information to encourage local investment and development
- 'Day In the Life of the Internet' Project (DITL)
  - Provided over 478 gigabytes of data on DNS packetflows

Automated data exchange

9. Develop web services for automated data exchange with external systems

- Secure channel for updating member reverse delegations
- Will be used to link member DNSSEC signed zones to APNIC DNSSEC signed zones

Root servers

10. Deploying more DNS root servers in the Asia Pacific region

- Root server deployed in Taiwan
- Possibly one in Mongolia later in 2009
- Deployment of Test Traffic Measurement (TTM) devices at root server locations
  - Pakistan (in operation)
  - Hong Kong (shipped)
  - Bangladesh (shipped)
  - India (being built)
  - Taiwan (being built)
  - Philippines, and many more…

Listening to the stakeholders

- APNIC is always looking for new ways to get feedback from the community. The main 'listening posts' are:
  - Stakeholder surveys
  - Helpdesk
  - Liaison & training team
  - APNIC meetings

APNIC meetings

- APNIC 29, APRICOT 2010
  – Kuala Lumpur, Malaysia
  – 1 - 5 March 2010
- All invited !!!

  http://www.apnic.net/meetings

Thank You!

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