APNIC Update

AfriNIC 11

November 2009

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Overview

- Services status
- Policy developments
- Priority activities
- Next meetings

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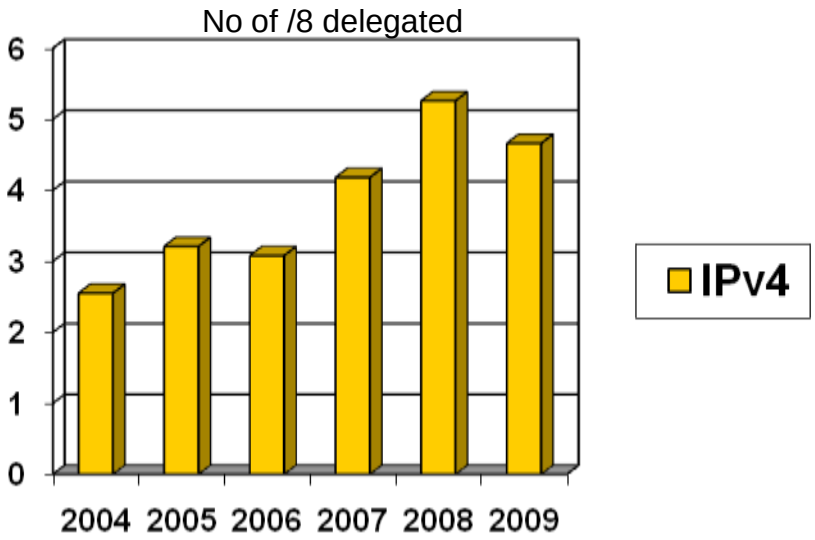
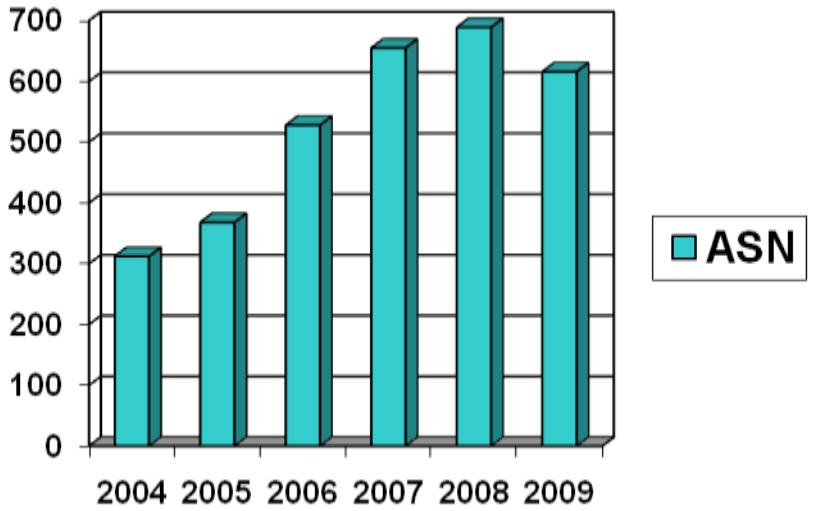
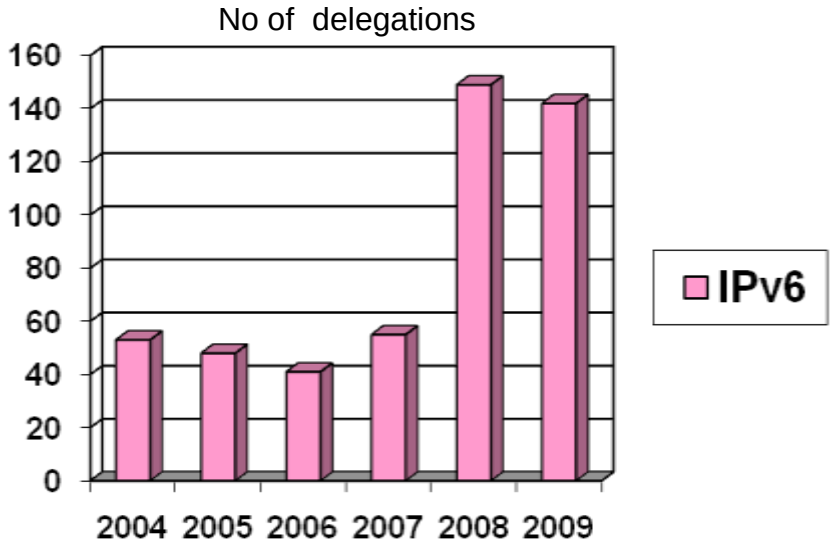
Resource Delegations (as of 26 Nov 08)







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APNIC Service Levels

- ***Membership*** now over 2,000 members
- July 2009 was the largest month on record for ***new membership*** applications/approvals
- APNIC now averages 1,400+ per month ***Helpdesk*** enquiries, a growth of over 55% in the last year
- The number ***of allocations of address space*** has grown slightly from an average of 100 per month to 105 in 2009.

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APNIC 28 policy outcomes

Proposal	Title	Overview
Prop-050 Endorsed	IPv4 address transfers	This policy proposes removing APNIC policy restrictions on the transfer of registration of IPv4 address allocations and IPv4 portable address assignments between current APNIC account holders.
Prop-073 Endorsed	Simplifying allocation/assignment of IPv6 to APNIC members with existing IPv4 addresses	This proposal directs the APNIC Secretariat to automatically assess and provide IPv6 resources to APNIC members that currently hold IPv4 resources in the APNIC registry but who do not hold IPv6 resources in the APNIC registry.
Prop-074 Endorsed	Internet Assigned Numbers Authority (IANA) Policy for Allocation of ASN Blocks (ASNs) to Regional Internet Registries	According to the current Global Policy for Allocation of ASN Blocks to Regional Internet Registries, IANA will cease to make any distinction between 16-bit and 32-bit only ASN blocks by 31 December 2009, when making allocations to RIRs. This proposal is to extend this date by one year, to 31 December 2010.
Prop-075 Endorsed	Ensuring efficient use of historical AS numbers	This is a policy proposal to recover unused historical AS numbers for eventual reassignment to other APNIC account holders.

http://www.apnic.net/policy/proposals

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APNIC 28 policy outcomes

Proposal	Title	Overview
Prop-077 No consensus	Proposal to supplement transfer policy of historical IPv4 addresses	This policy proposal seeks to supplement current policy for the transfer of historical Internet resources, by requiring recipients of transferred historical IPv4 address space to justify its use or subjected to the justification criteria of transfer policy of current IPv4 resources.
Prop-078 No consensus	Reserving /10 IPv4 address space to facilitate IPv6 deployment	This proposal seeks to ensure some small blocks of IPv4 space will remain available for a long time to ease the co-existence of IPv4 and IPv6 and to facilitate IPv6 deployment.
Prop-076 No consensus	Requiring aggregation for IPv6 subsequent allocations	This is a proposal to make it a condition that LIRs aggregate subsequent IPv6 allocations that they receive from APNIC

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Top 10 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

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Research and Development

- R&D activities
  - Work with other RIRs on RPKI
  - DNS service dynamics
  - DNSSEC implementation
  - Anycast deployment
- Expand network monitoring, reporting
  - Test Traffic Measurement (TTM)
    - Sponsorship of 12 Asia Pacific Nodes
  - ‘Day In the Life of the Internet’ (DITL)
    - Provided 478+ GB of DNS packet flow data

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Education

- Support network engineering education in the Asia Pacific region
  - Ongoing training activities
  - Developing institutional links
  - Training lab expansion
  - More security training (with Team Cymru)
  - Tunneling project with AUSCert
- Expand training activities in scope, geographical coverage and online options
  - E-learning and self-paced learning

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IPv6

- Support IPv6 Deployment
- Increase the support of the community's efforts to adopt IPv6
  - Coordinating and promoting IPv6 activities across the whole of APNIC region
  - ICONS IPv6 Wiki
  - IPv6 messages, materials, outreach and information
  - IPv6 Workshop for APEC TEL 40

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Services

- Streamlining request and allocation processes
  - New MyAPNIC features
  - Improved, integrated membership sign-up & resource request form
- Automated data exchange
  - Web services interface with external systems
  - Secure channel for updating member reverse delegations
  - Will be used to link member DNSSEC signed zones to APNIC DNSSEC signed zones

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Other

- Further development of resource certification to support routing security
  - Refining and expanding Resource Certification (RPKI) services for members
  - Developing open, interoperable standards on resource certification and routing in the IETF
- More DNS root servers in the AP region
  - Deployments in Taiwan, Mongolia
  - Deployment of TTM at root server locations

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Next APNIC meeting

- APNIC 29 in conjunction with APRICOT 2010
  - Kuala Lumpur, 23 February – 5 March 2010
  - Participate remotely via webcast, audio streaming, live transcripts.

http://www.apricot2010.net

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More APNIC meetings..

- APNIC 30
  - August 2010
  - Bangkok, Thailand
- APNIC 31 and APRICOT 2011
  - Hong Kong
  - 21 to 25 February 2011
  - Joint meeting with APAN

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Thanks

sanjaya@apnic.net

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