

# APNIC Update

ARIN 25  
April 2010

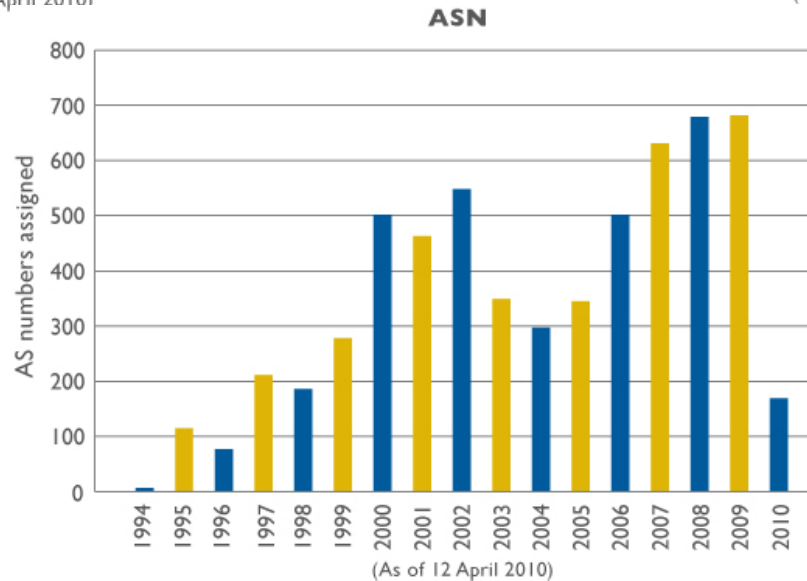
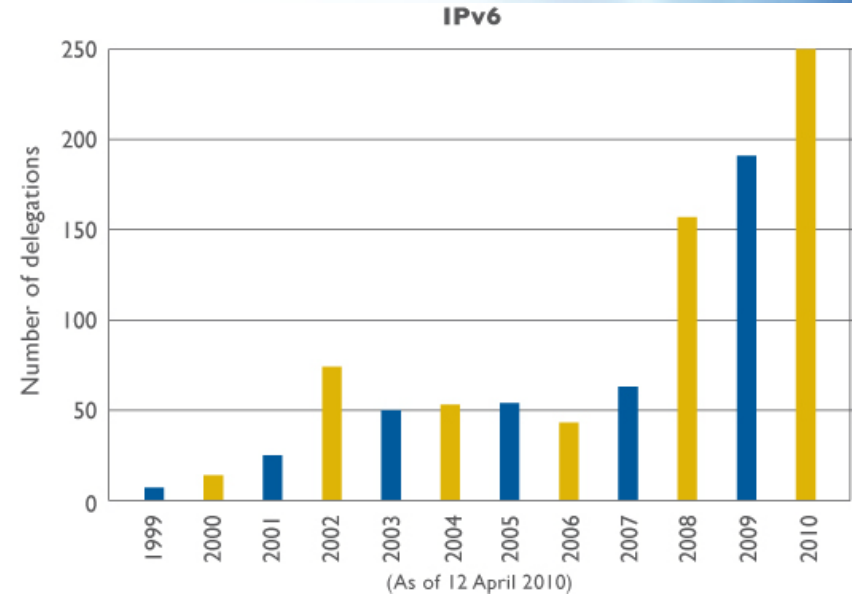
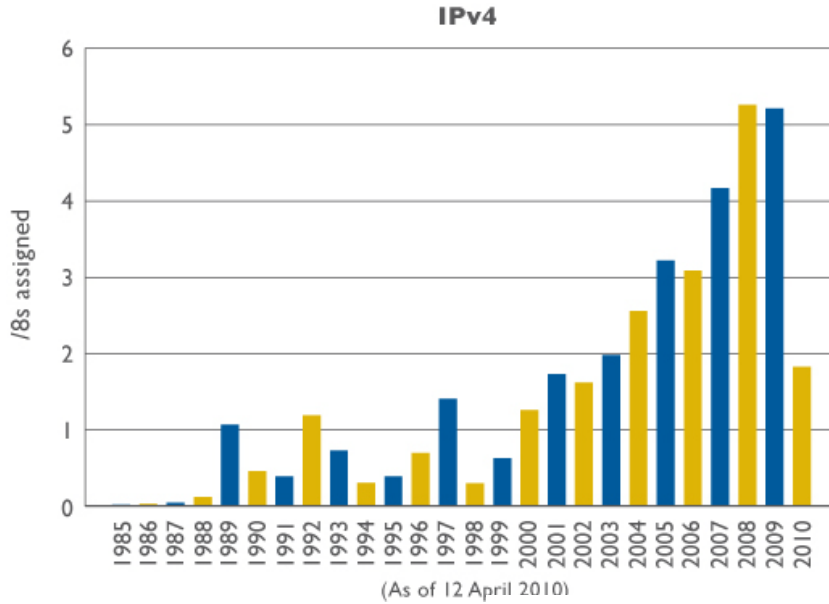
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Chief Scientist, APNIC



# Overview

- Services Update
- APNIC 29 Policy Outcomes
- APNIC Activities
  - R&D
  - Technical Developments
  - IPv6 Program
  - Training
- Other News
- Upcoming meetings

# Resource Delegations



# APNIC Service Levels

- **Membership** total: 2,264
- 2009 highest number of new Members: 416
- March 2010 was the largest month on record for **new membership** applications/approvals
  - 54 new accounts
- APNIC now averages 1,400+ per month **Helpdesk** enquiries, a growth of over 55% in the last year
- Total MyAPNIC users: 2400

# Member Services

- CA2
  - Automated certificate renewal (MyAPNIC)
  - Manage contacts without a digital certificate
- Resource Quality Assurance Initiative
  - APNIC is testing IANA IPv4 allocations prior to distribution for “hot spots” in incoming traffic
  - 27.0.0.0/8 and 1.0.0.0/8 tested
  - 1.0.0.0/8 public report available
  - Testing for 14.0.0.0/8 and 223.0.0.0/8 underway

# APNIC 29 Policy Outcomes

Proposal	Title	Overview
<b>Prop-079</b> Reached Consensus	Abuse contact information	This is a proposal to introduce a mandatory abuse contact field for objects in the APNIC Whois Database to provide a more efficient way for abuse reports to reach the correct network contact.
<b>Prop-080</b> Reached Consensus	Removal of IPv4 prefix exchange policy	This is a proposal to remove the policy that currently permits resource holders to return three or more noncontiguous IPv4 address blocks and have the prefixes replaced with a single, larger, contiguous block.
<b>Prop-082</b> Reached Consensus	Removing aggregation criteria for IPv6 initial allocations	This is a proposal to remove the aggregation requirement from the IPv6 initial allocation policy.

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

# Recent Policy and Fee Changes

Proposal	Title	Overview
<b>Prop-050</b>	IPv4 address transfers	This policy removes APNIC policy restrictions on the transfer of registration of IPv4 address allocations and IPv4 portable address assignments between current APNIC account holders.
<b>Prop-073</b>	Simplifying allocation/assignment of IPv6 to APNIC Members with existing IPv4 addresses	IPv6 Kickstart: Available from the public and MyAPNIC websites as a simple, one-click application for current IPv4 address holders to obtain an appropriately sized block of IPv6 addresses.

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

- New Fee Schedule, implemented in January 1 2010
- 50% discount for Least Developed Countries
- Continuous formula based on both current and historical IPv4 address holding.

# Research and Development

- Routing research
- RPKI (joint with other RIR/NRO)
- DNS service dynamics
- DNSSEC implementation
- Expanded network measurement/monitoring
  - Test Traffic Measurement (TTM)
    - Sponsorship of 12 Asia Pacific Nodes
  - 1.0.0.0/8 measurements
    - Over 10Tb of data collected
    - Report available at:
      - <http://www.potaroo.net/ispcol/2010-03/net1.html>
  - 'Day In the Life of the Internet' (DITL)
    - 3.4Tb of data collected over 3 days in 2010



# Technical Developments

- DNSSEC
  - Phase 2 implementation
    - Publish DNSSEC records from five reverse zones per day through 28 April, 2010
- Resource Public Key Infrastructure (RPKI)
  - 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

# IPv6 Program Update

- 10% Media Campaign (with IANA)
  - 7.8% of IPv4 remains unallocated
- Kickstart IPv6
  - Implemented 10 Feb 2010
  - Total allocations since Feb 2010: 275
- IPv6 events:
  - Philippines CIOF IPv6 Event 16 April
  - APEC TEL41, Taipei; 8 May
    - IPv6 workshop
  - Indonesia IPv6 Summit, Bali 8-9 June
  - CommunicAsia 2010 15-18 June

# Training and Education

- Face-to-face training
  - 77 courses in 36 locations to over 1870 participants in 2009
  - Fully equipped Training lab (IPv6 supported)
  - More advanced technical workshops particularly on IPv6
- Online Interactive eLearning Web classes
  - Two training courses offered every month
- Online self-paced modules
  - Supplements other modes
- Training through collaboration
  - 6Deploy, Team Cymru, IntERLab

# Other APNIC News

- Community Consultation, APNIC 29
  - Panellists' perspectives: ITU, Developing economies, ICANN
  - Extended comment session
  - Formal submission to ITU IPv6 Group
- Upcoming events
  - PITA, Solomon Islands; 16 April
  - WTDC, India; 24 May – 7 June
  - Asia Pacific Regional IGF, Hong Kong; 14 June

# Other APNIC News: New Building

- Diversify investment of reserves to make significant savings on future operating costs
- Great potential for medium to long-term capital gain
- Size and location suits APNIC's future needs
- Refurbish offices to create a more collaborative and efficient working environment for staff



# Next APNIC Meeting

APNIC 30

23 AUGUST 2010 - 27 AUGUST 2010  
BANGKOK THAILAND



- APNIC 30
  - Participate remotely via webcast, audio streaming, live transcripts.
  - We are watching recent events closely

**<http://meeting.apnic.net/30>**

# More APNIC Meetings..

- APNIC 31 and APRICOT 2011
  - Hong Kong
  - 21 to 25 February
  - Joint meeting with APAN
- APNIC 33 and APRICOT 2012
  - 22 February – 3 March
  - Delhi, India

# Thank You

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