

# APNIC Update

RIPE 61

15-19 November 2010

Rome, Italy

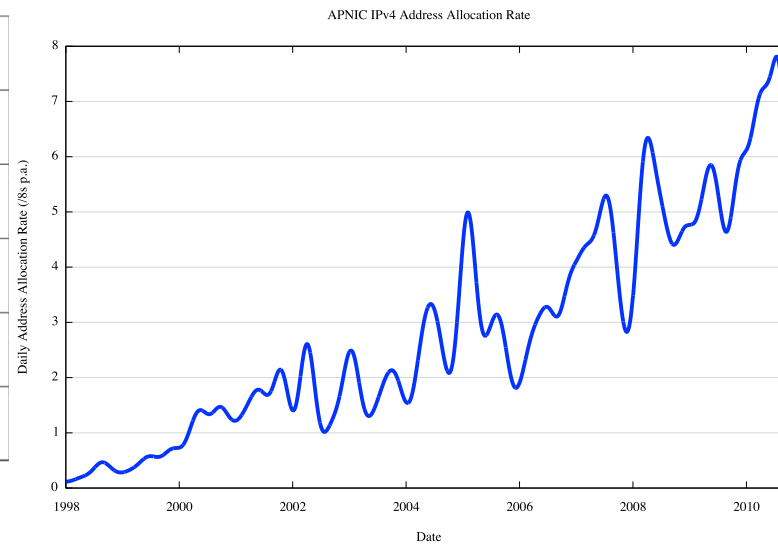
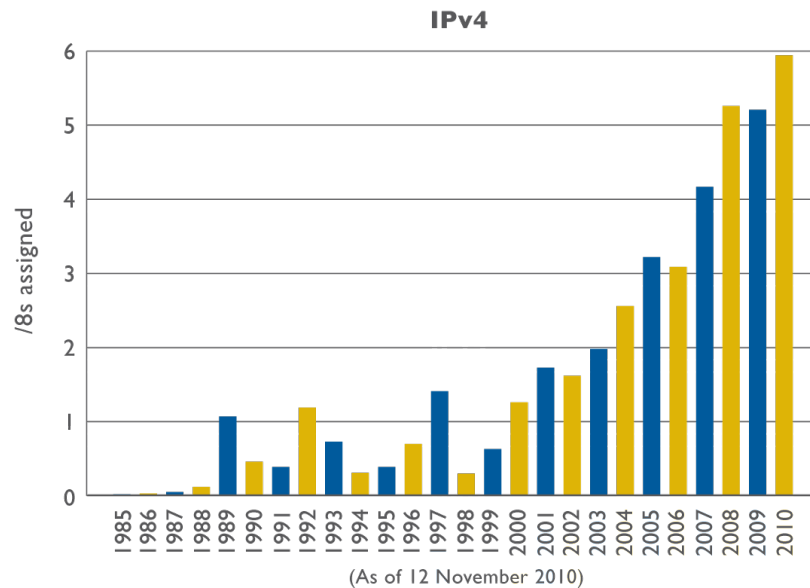
Geoff Huston

Chief Scientist, APNIC



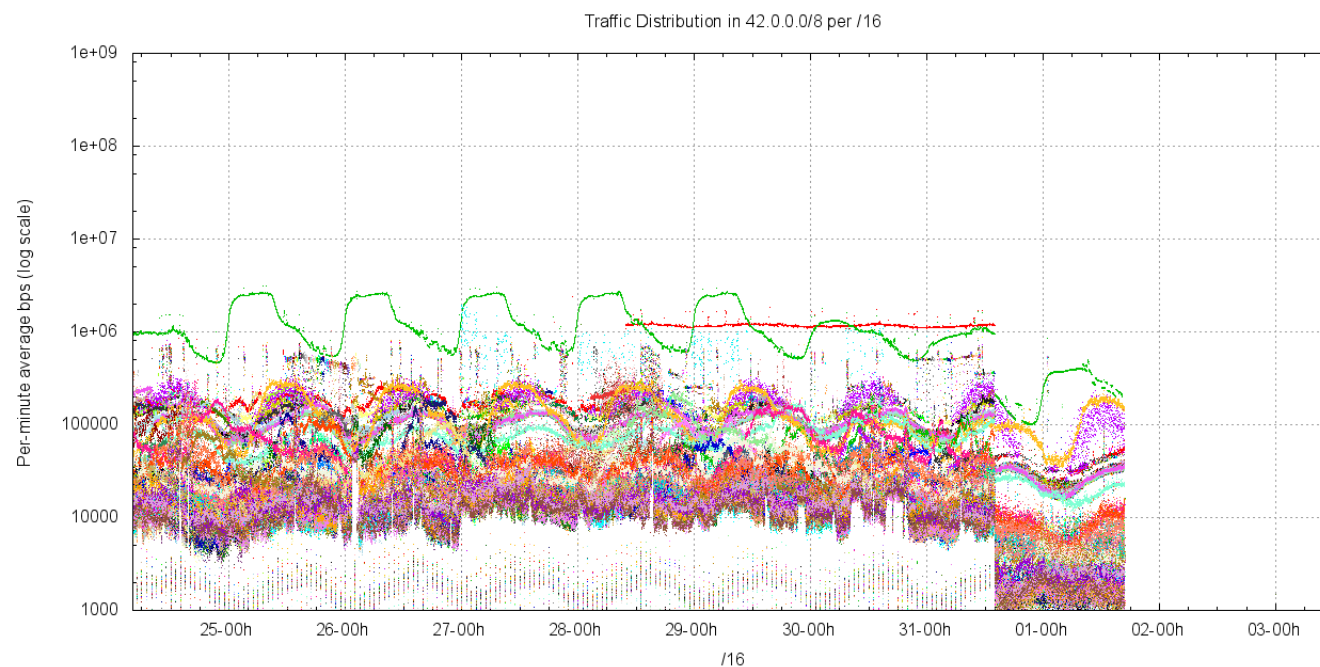
# Hot Topics at APNIC

## IPv4 Allocations



# Hot Topics at APNIC

## Resource “Quality” Testing



# Hot Topics at APNIC

## RPKI

production service to allow My APNIC clients to generate resource certificates and ROAs

# Hot Topics at APNIC

## “Easier” IPv6

Responding to membership request with simplified process for IPv6 address allocations for APNIC members: “one-click” IPv6

# Next APNIC Meeting



APNIC 31 / APRICOT 2011

February 21 – 25

Hong Kong SAR, China

**<http://meetings.apnic.net/31>**



APNIC

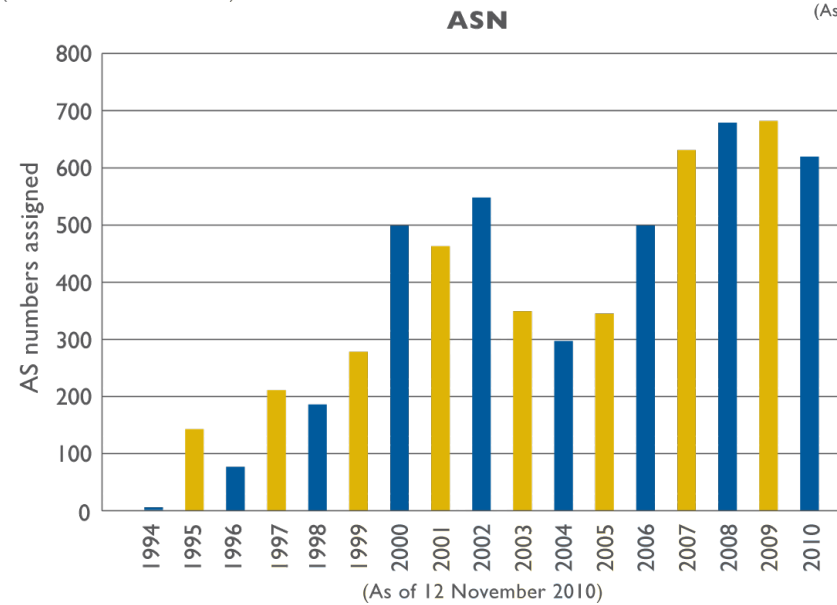
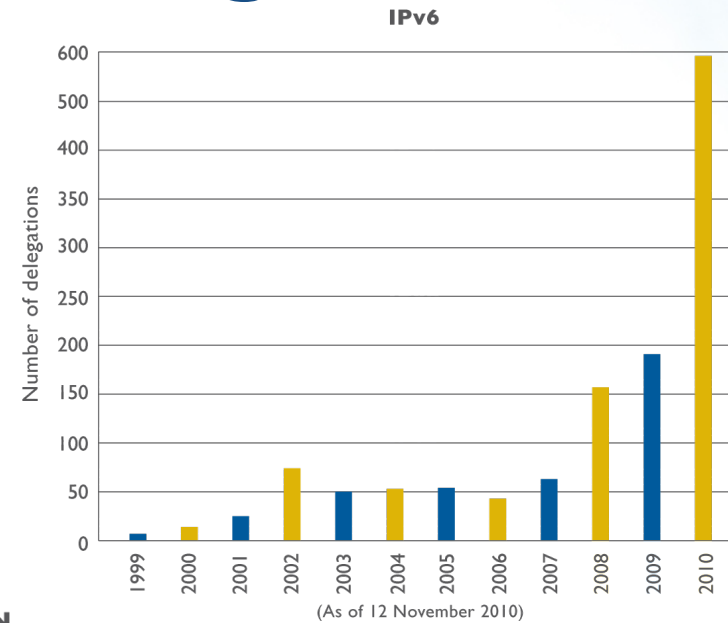
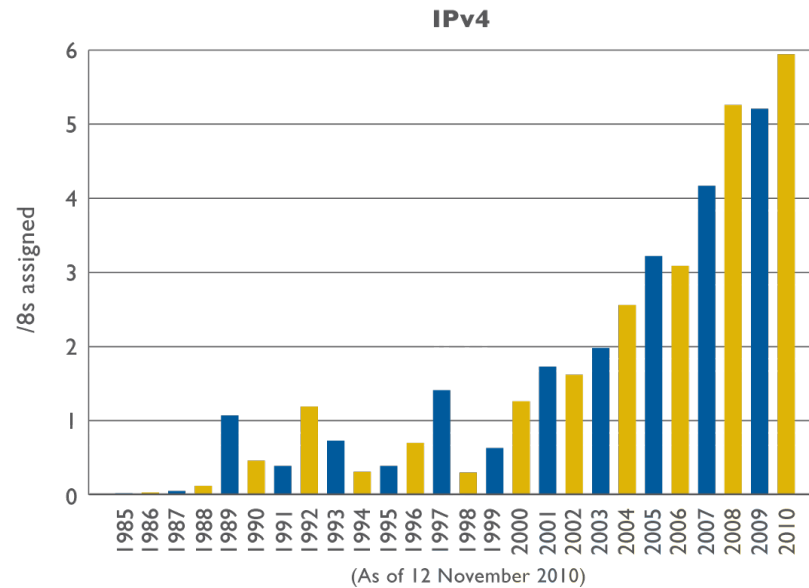
Asia Pacific Network Information Centre

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# Details....



# Resource Delegations





# Resource Services

IPv4 requests still strong (5.94 x /8)

- Mobile, wireless, ADSL networks
- Growth economies: CN, KR, JP, IN, VN

Very high IPv6 take up

- 584 delegations in 2010 so far (188 in 2009)

Resource Quality Assurance

- APNIC tests all IANA allocations prior to distribution
- Outreach to network operators to remove outdated filters
- 36.0.0.0/8 and 42.0.0.0/8 being tested

# Member Services

- ***Membership*** total: 2,432
- New Members in 2010: 336
- Total MyAPNIC users: 3,180
- Top 5 helpdesk service requests in the last 6 months:
  - Reverse DNS registration
  - How to make assignment records
  - Whois record updates
  - MyAPNIC access
  - Contact person changes

# APNIC Policy Updates

Proposal	Title	Overview
<b>Prop-079</b> Implemented 8 Nov 2010	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> Implemented 5 July 2010	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> Implemented 5 July 2010	Removing aggregation criteria for IPv6 initial allocations	This is a proposal to remove the aggregation requirement from the IPv6 initial allocation policy.

No policy proposals reached consensus during APNIC 30

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

# Research and Development

- Routing research
- RPKI (joint with other RIRs/NRO)
- DNS service dynamics
- DNSSEC implementation
- Expanded network measurement/  
monitoring
  - Test Traffic Measurement (TTM)
  - 'Day In the Life of the Internet' (DITL)
    - 3.4Tb of data collected over 3 days in 2010
  - IPv6 deployment measurement activities

# Technical Developments

- New co-location facility in 'triangle architecture' for reliability and DRP
- DNSSEC running smoothly since April
- Implementing Agile software development methodologies



# IPv6 Program Update

- APNIC is the new Secretariat for the Asia Pacific IPv6 Task Force (APIIPv6TF)
- APNIC worked closely with APEC TEL WG on two IPv6 workshops this year:
  - Workshop on IPv6: Transforming the Internet, APEC TEL 41, Taipei, Taiwan
  - Workshop on IPv6: Securing sustainable growth of the Internet, APEC TEL 42, Bandar Seri Begawan, Brunei Darussalam

# APEC TELMIN8 Ministerial Statement

APEC TELMIN8 held in Okinawa, Japan

- 30 – 31 Oct 2010
- Heads of the Ministries of information and communications

APEC TELMIN8 reiterates importance of IPv6 deployment in the Asia Pacific

- *“We recognize that the free pool of IPv4 addresses is expected to be exhausted around 2012, and **the transition to IPv6** will facilitate the achievement of **universal broadband access** in the APEC region. We support the **IPv6 Guidelines developed by TEL.**”*

# Training and Education

## eLearning Interactive

- Successfully offering two sub-regional training courses per month:
  - 20 eLearning web classes
  - 271 attendees



Flexible  
Free  
Accessible





# Internet Governance

- APNIC was one of the main organizers and sponsors of the first Asia Pacific IGF in Hong Kong.
- Co-hosted remote hubs in the Asia Pacific region in support of the IGF in Lithuania
  - Dhaka, Bangladesh
  - Manila, Philippines
  - Hong Kong SAR, China
  - Jakarta, Indonesia

# New Building

- Lower operating costs
- Size and location suits APNIC's future needs



# Next APNIC Meeting



APNIC 31

21 - 25 February 2011  
Hong Kong SAR, China

APNIC 31 / APRICOT 2011

February 21 – 25

Hong Kong SAR, China

**<http://meetings.apnic.net/31>**

# More APNIC Meetings..

## APNIC 32

- 29 August – 2 September
- Busan, South Korea

## APNIC 33 and APRICOT 2012

- 22 February – 3 March
- Delhi, India

# Thank You

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