

APNIC Update

RIPE 61

15-19 November 2010

Rome, Italy

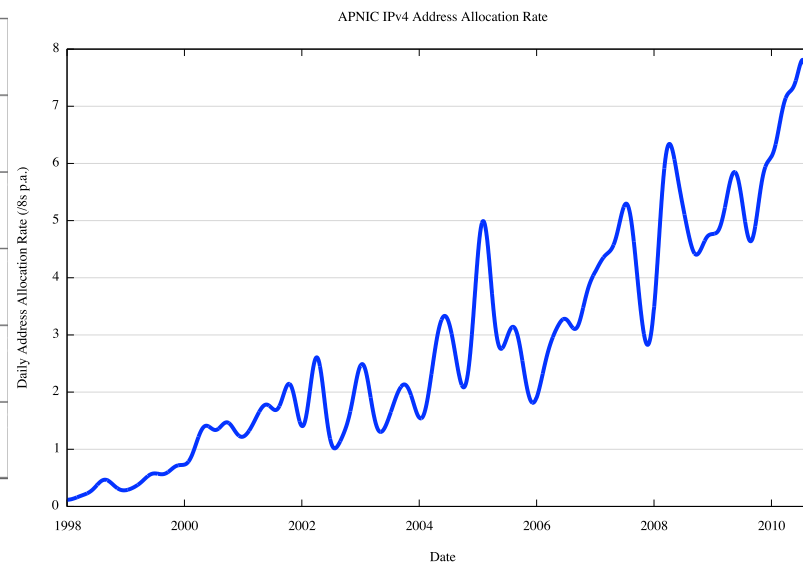
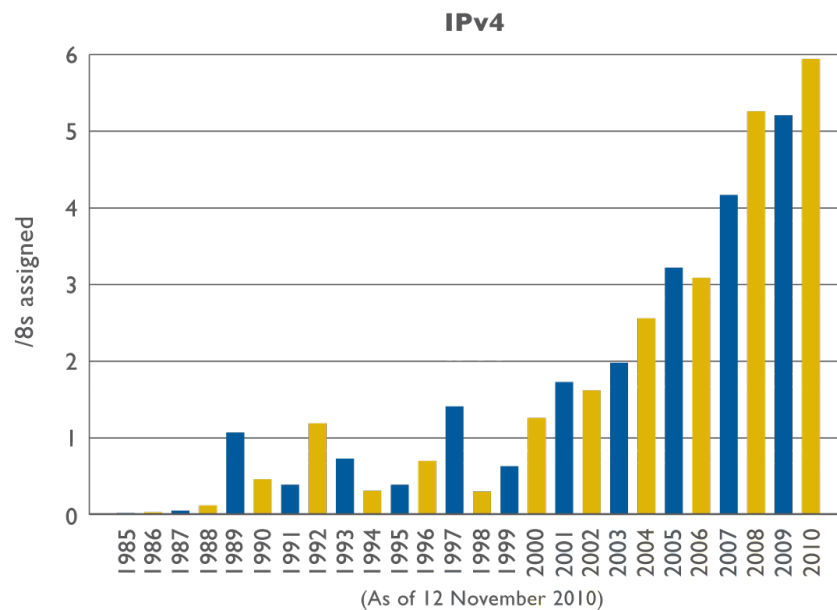
Geoff Huston

Chief Scientist, APNIC



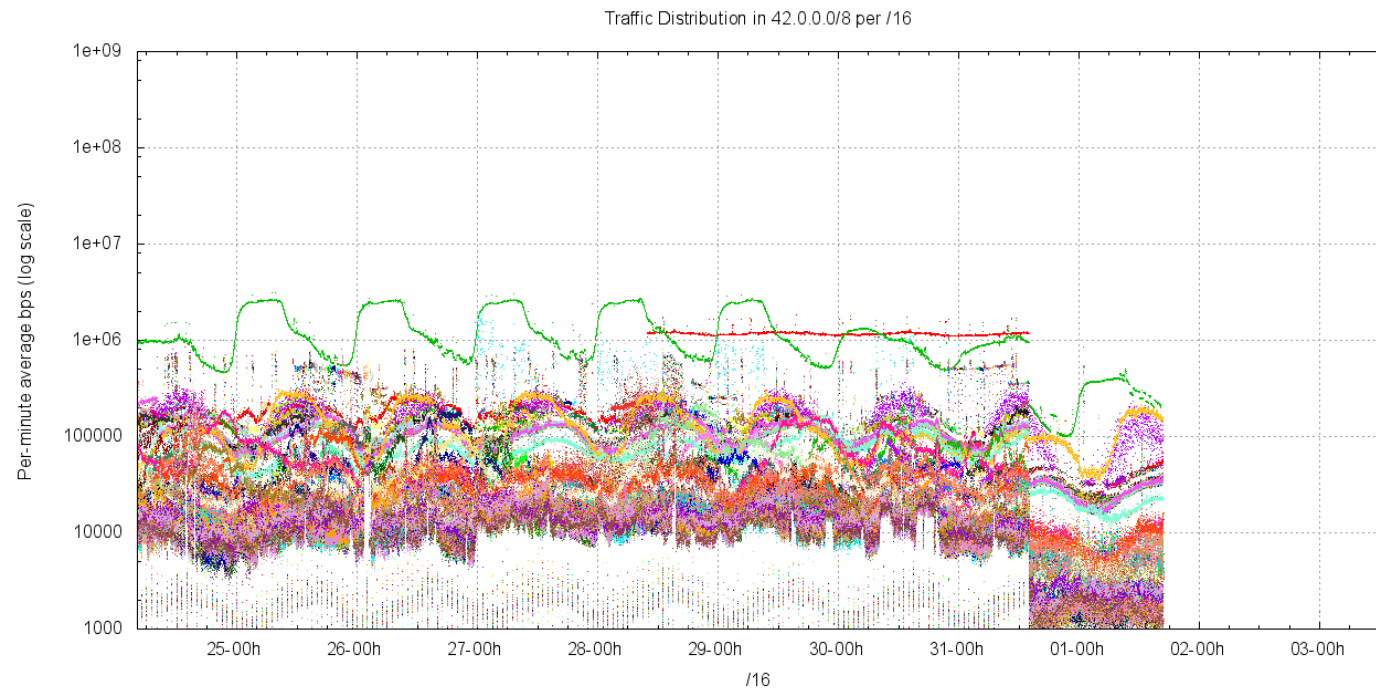
Hot Topics at APNIC

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

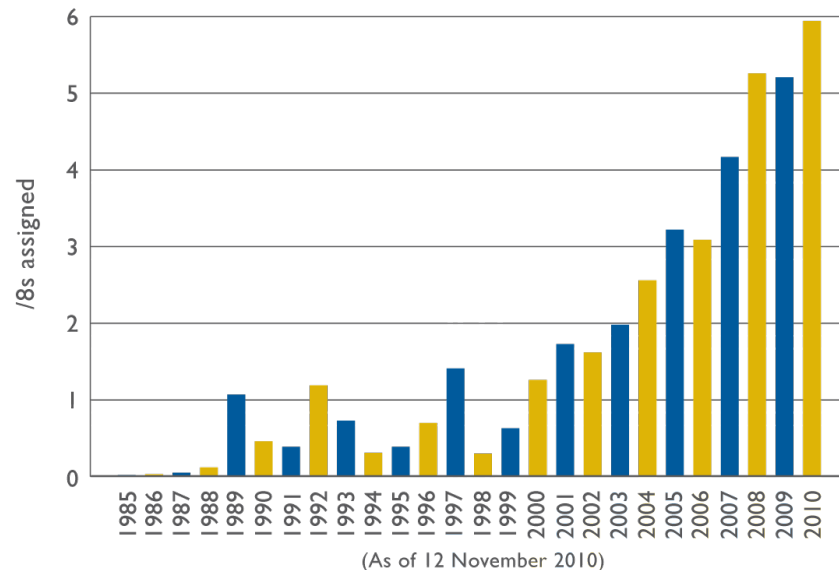
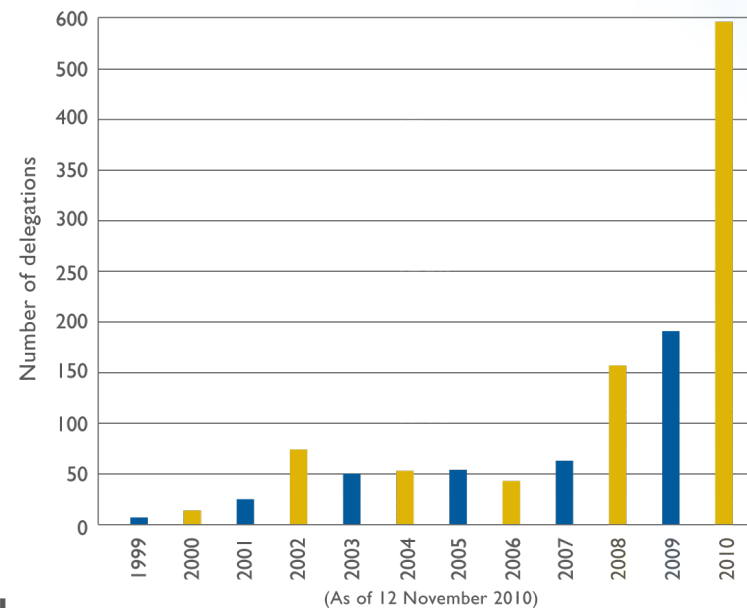
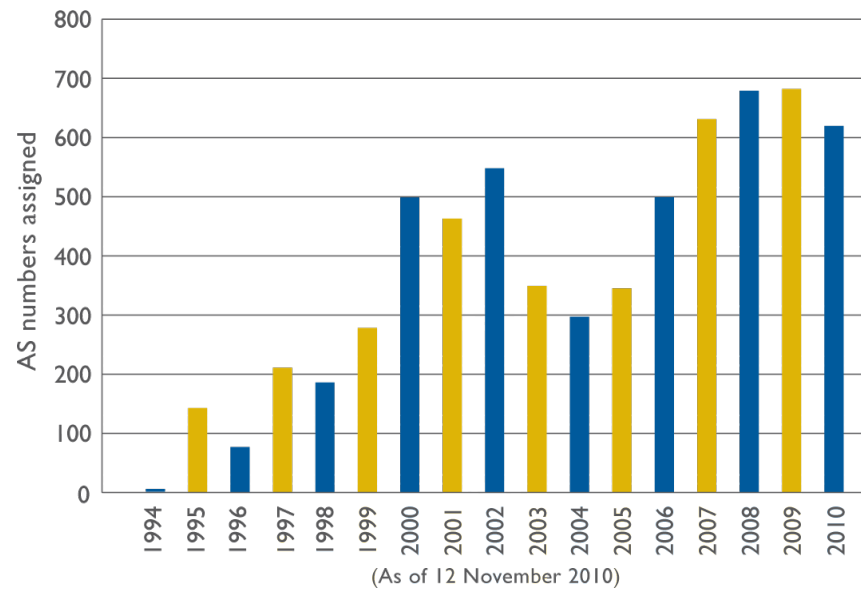
<http://meetings.apnic.net/31>



Details....



Resource Delegations

IPv4

IPv6

ASN


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- Outreach to network operators to remove outdated filters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 |
|---|--|---|
| Prop-079 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. |
| Prop-080 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. |
| Prop-082 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

APNIC
eLearning
Learning in real time.

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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