

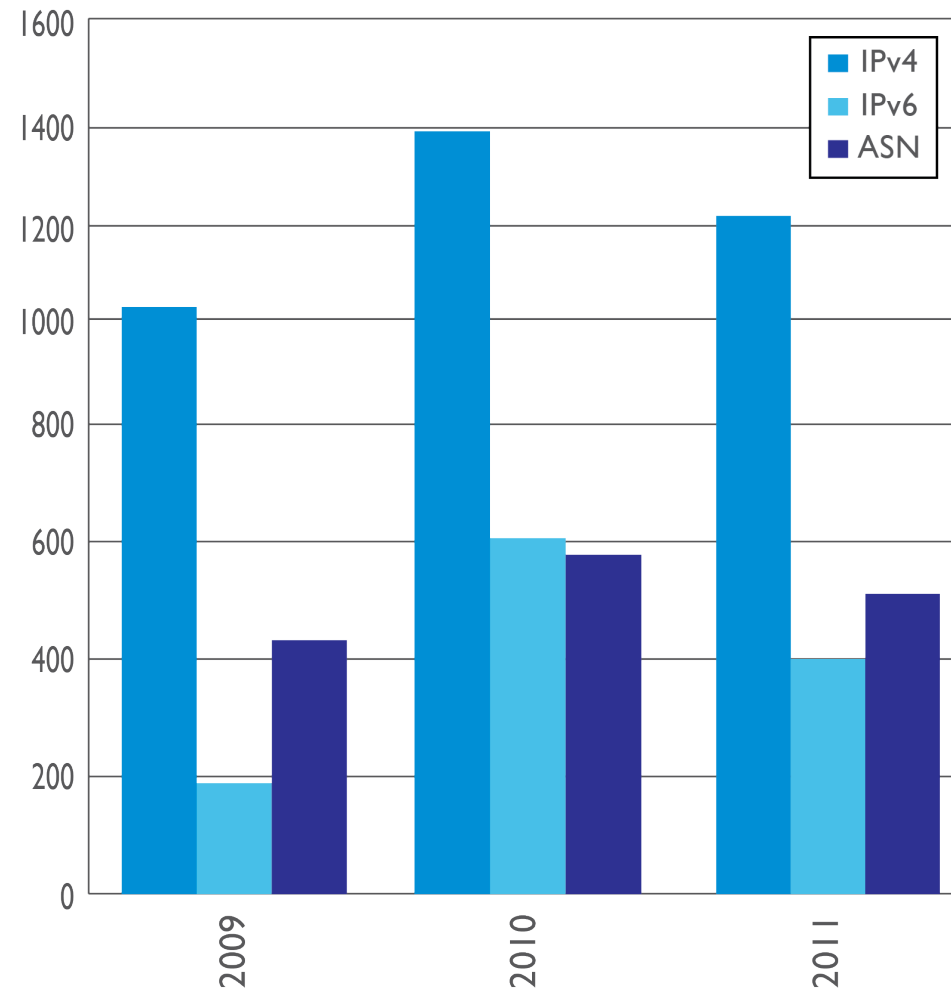
PacNOG 10

APNIC Update and much more...

Elly Tawhai
Senior Internet Resource Analyst/Liaison
Officer, Pacific, APNIC



IP Address & ASN Delegation count



(As of September 2011)

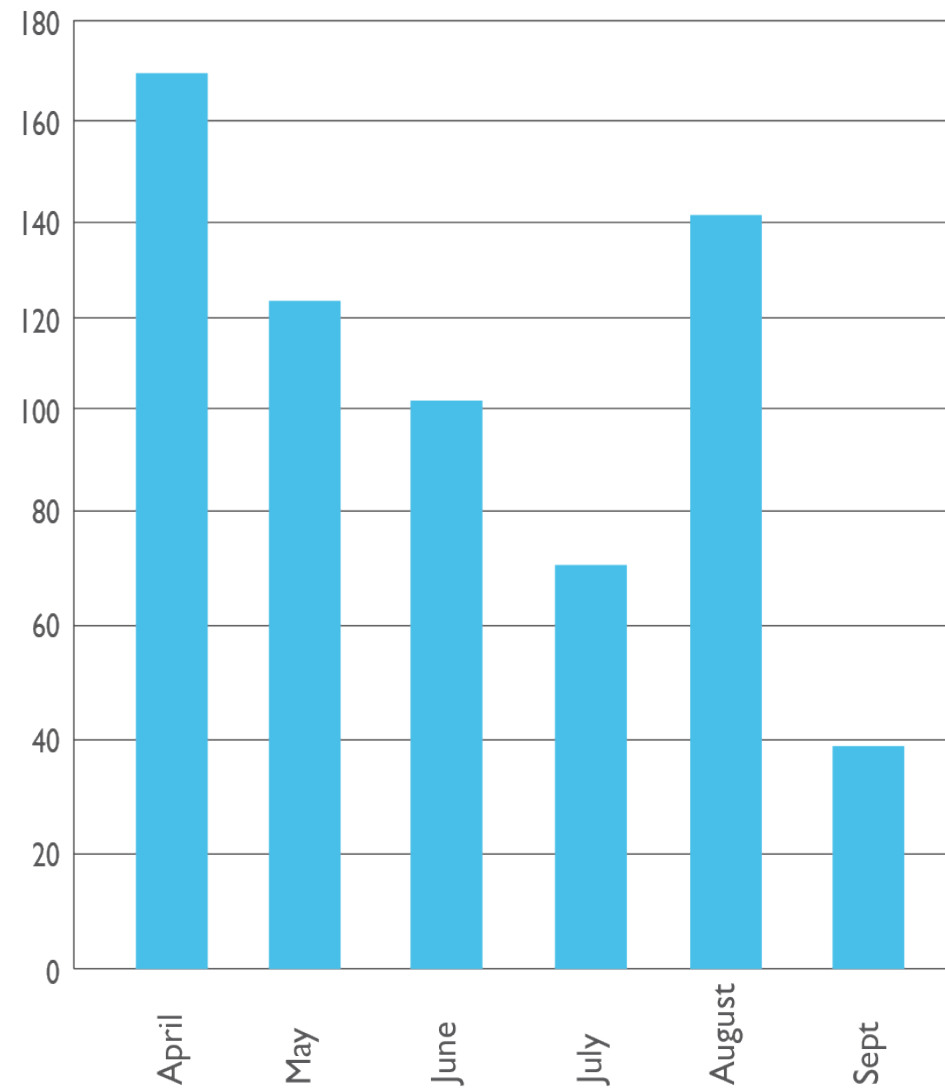


IPv4 Exhaustion

- Reached “Final /8” on 15 April 2011
 - 103.0.0.0/8
- New allocation policy activated
 - Limited to a single maximum delegation of /22
 - Minimum delegation size is a /24
- From 15 April to 6 November 2011, made 774 delegations to 30 economies



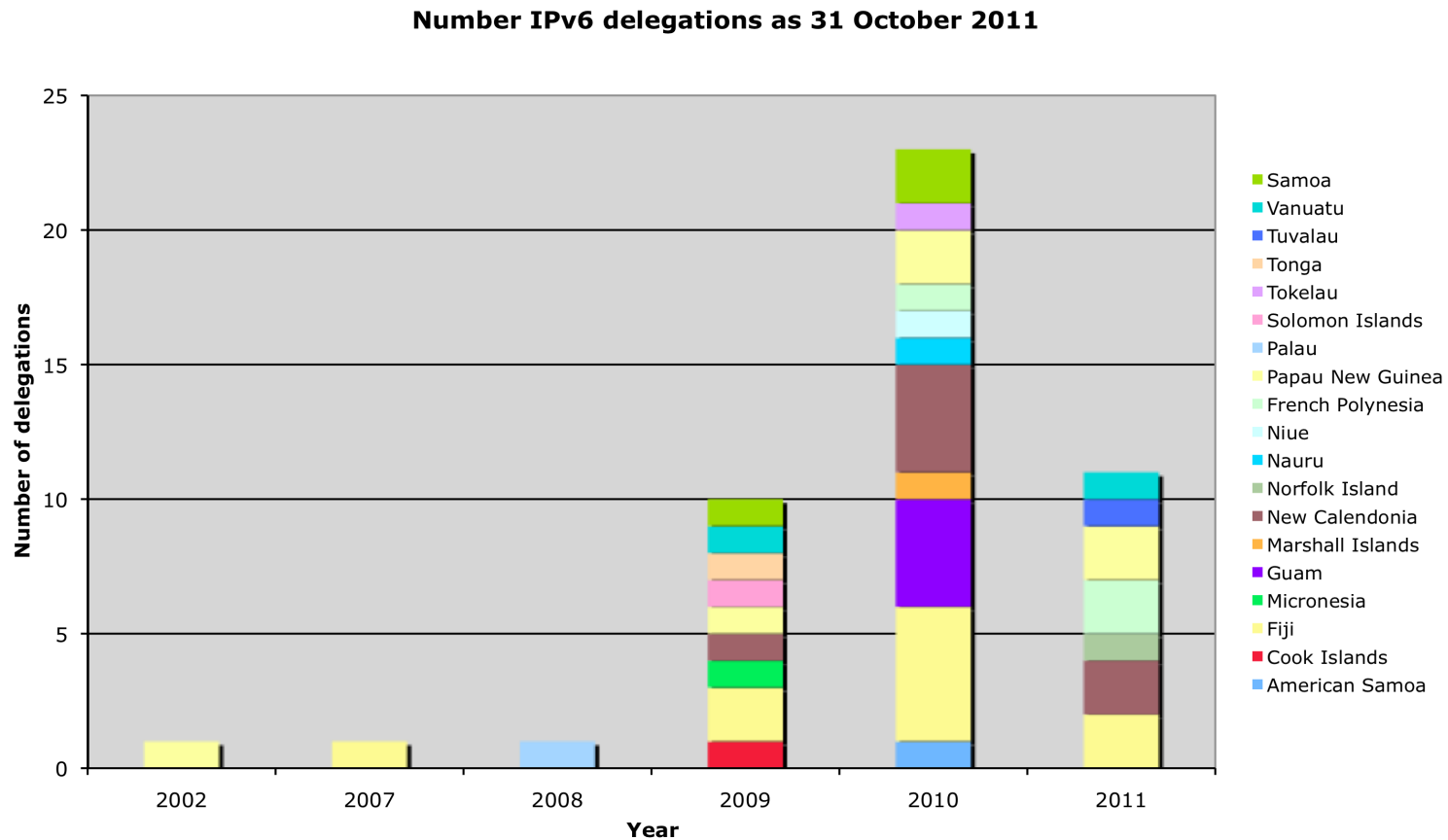
Last /8 Delegations



(As of September 2011)



IPv6 within the Pacific



Policies Implemented 2011

- prop-088: Distribution of IPv4 Addresses Once the Final /8 Period Starts
- prop-093: Reducing the Minimum Delegation Size for the Final /8 Policy
- prop-094: Removing Renumbering Requirement from Final /8 Policy



Policies at APNIC 32

- Consensus...
 - prop-096: Maintaining Demonstrated Needs Requirement in Transfer Policy after the Final /8 Phase
 - Endorsed by APNIC EC, 3 Nov 2011
- No consensus – returned to mailing list
 - prop-100: National IP Address Plan – Allocation of Country-wide IP Address Blocks
 - prop-099: IPv6 Reservation for Large Networks
 - prop-098: Optimizing IPv6 Allocation Strategies (simplified)



Learning and Development

- New Area under Philip Smith
- Training Lab
 - infrastructure upgraded
 - Workshops on IPv6, four-byte ASNs
 - More hands-on sessions
- Collaborations
 - 6Deploy, intERlab, NIRs (ID, TW, CN)
- APNIC Conference Hubs
 - Jakarta and Port Moresby (Feb 2011)
 - Phnom Penh (Aug 2011)



IPv6 Program

- Major IPv6 events in the region
 - IPv6 Transition Day at APRICOT 2011 and APNIC 32
 - IPv6 Deployment workshop at ICANN 41
- Supporting regional IPv6 activities
 - Innaugual SGNOG
 - China Global IPv6 Summit 2011
 - Pacific IGF (New Caledonia)
 - Asia Pacific IGF (Singapore)
 - Secretariat for APIIPv6TF



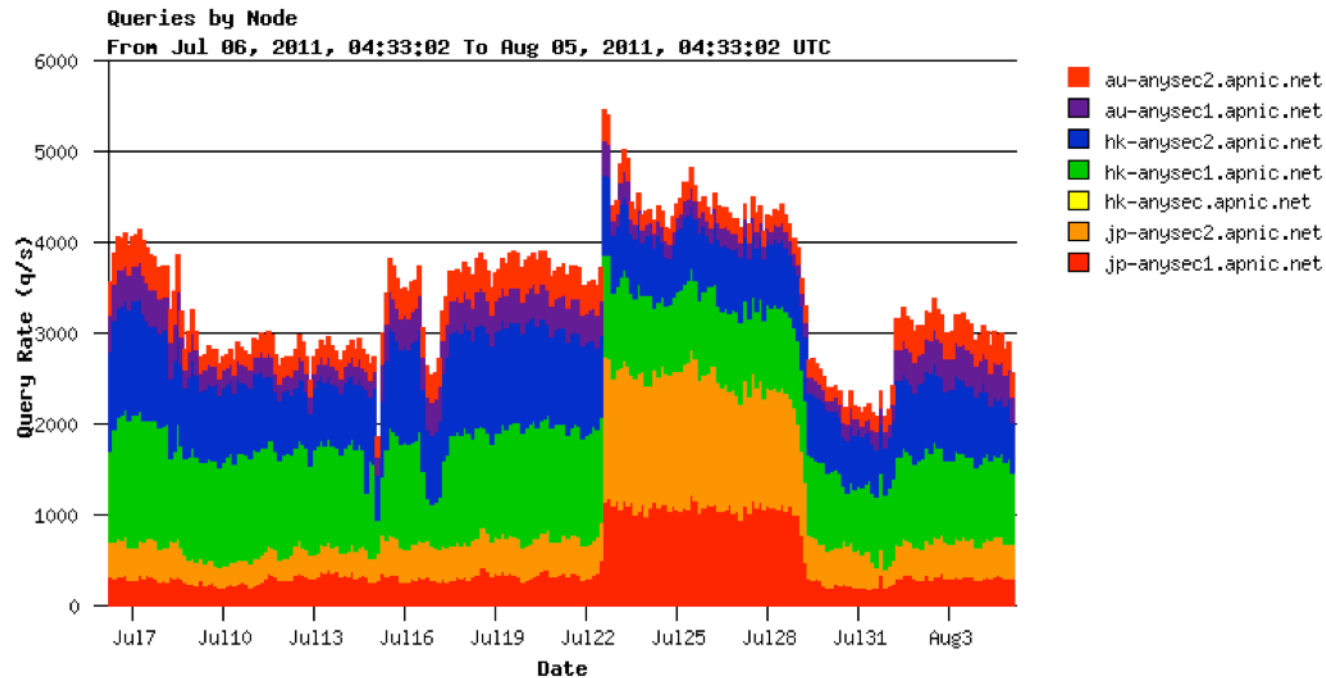
IPv6 Program

- Activities with inter-governmental organizations
 - Asia Pacific Economic Cooperation (APEC TEL)
 - Continuous engagement with IPv6 information
 - Asia Pacific Telecommunity (APT)
 - APT Policy and Regulatory Forum (PRF) and Pacific PRF
 - Secretariat of Pacific Community (SPC)
 - MoU on IPv6 deployment in the Pacific
 - Pacific ICT Ministers Meeting
 - APNIC's recommendations in the ministerial communiqué
 - ITU Asia Pacific collaboration
 - IPv6 capacity-building workshop



Technical Area

- APNIC now serving e.in-addr-servers.arpa and e.ip6-servers.arpa. labels



Agile



APNIC Labs

- Supporting R&D with remote measurement techniques
 - Software expertise provided for client-side IPv6 capability measurements
- Google analytics measurements for IPv6 client capability targeted at website owners
- <http://labs.apnic.net>



DNSSEC

- 3 May 2011, DS records submitted to IANA
 - Allows validation to occur from root down to APNIC's reverse zones
- Users can update reverse DNS DS record through MyAPNIC
 - Single zone via whois domain objects
 - Multiple zones via zone file upload



Public Affairs

- IGF related events
 - Second APriIGF in Singapore
 - First PacIGF in New Caledonia
 - APIL in China
- NRO
 - Public affairs coordination
 - Renewal of IANA contract (comments FNOI)
- OECD
 - High-level meeting on Internet Economy



New APNIC Identity

- New image for a new era
- :: representing our new IPv6 world
- () representing our collaborative community
- Changing icon represents our dynamic and diverse community

APNIC



Coming up...



- APNIC 34
 - Phnom Penh, Cambodia, August 2012
- APNIC 35:
 - Singapore, Singapore, February 2013



Thanks

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