

# APNIC Update

AfriNIC-14

4-10 June 2011

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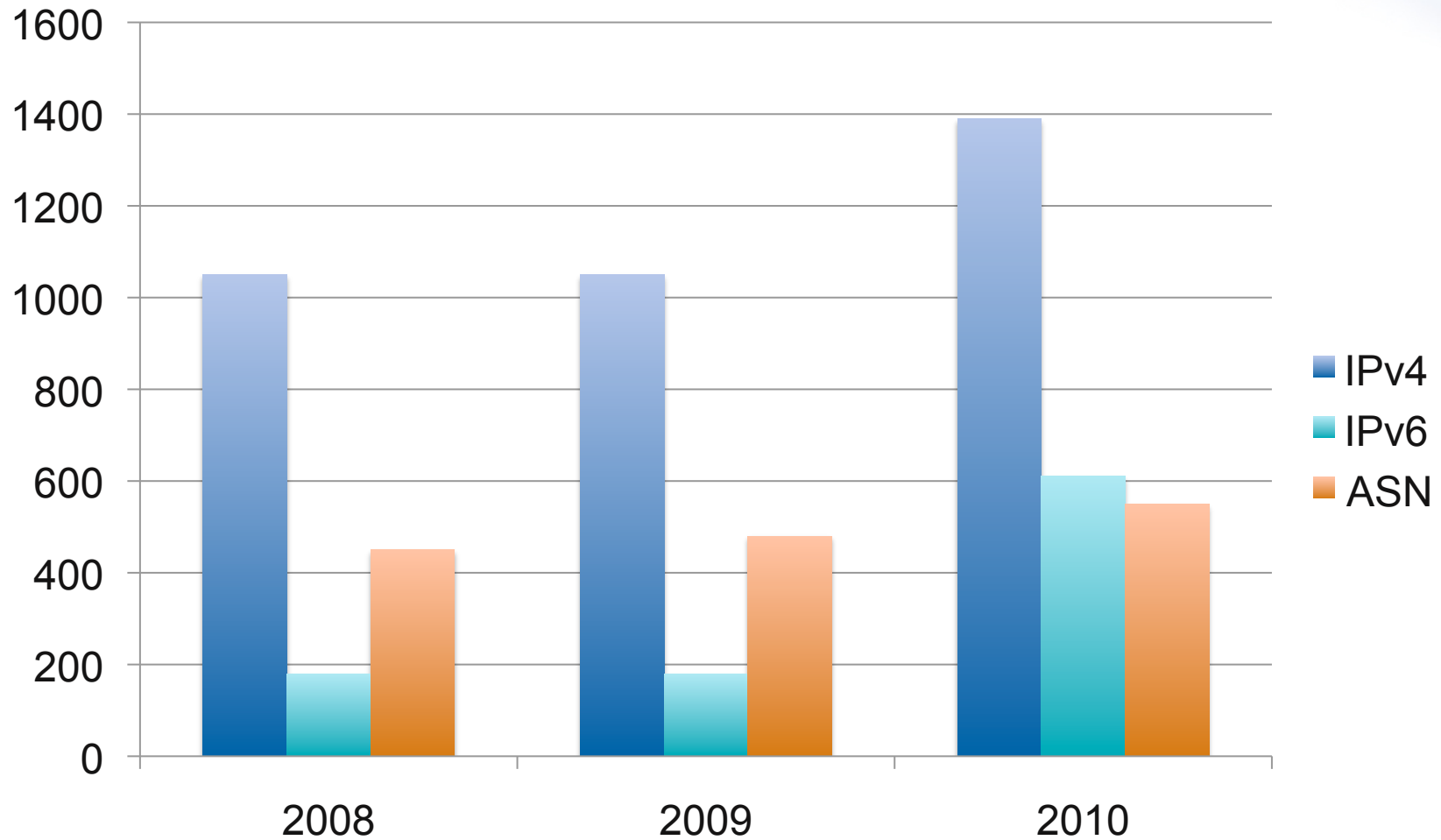
# Overview

- Registry Update
- Policy Update
- 2011 Member and Stakeholder Survey
- New Building & Business Continuity Plan
- Upcoming Meetings



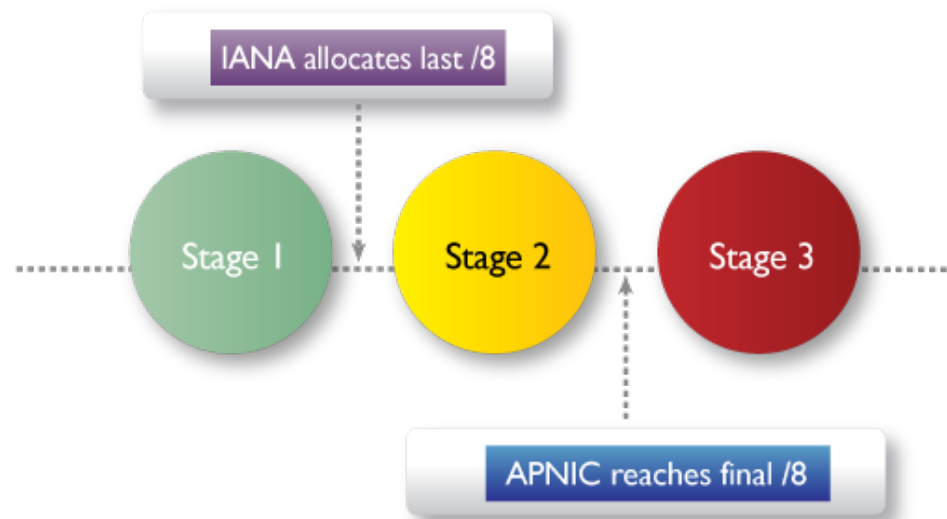
# Resource Delegations

## IP address & ASN delegation count



# Registry Update

- IPv4 exhaustion
  - Now in stage 3, as of 15 April 2011



- IANA handed out APNIC's last /8 block, **103/8**, on 3 February 2011

# Registry Update

- 2010 IPv6 delegations more than tripled
  - 650 delegations in 2010
  - Strong response to “Kickstart IPv6” with over 402 new applications
    - Members with existing IPv4 allocations or assignments may instantly qualify for an IPv6 block



Kickstart your IPv6 network!

*[Click here to find out how to get your IPv6 block](#)*

# Policy Update

## Implemented in 2010

Proposal	Title	Overview
Prop-079  <i>* Implemented November 2010</i>	Abuse contact information	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  <i>* Implemented July 2010</i>	Removal of IPv4 prefix exchange policy	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  <i>* Implemented July 2010</i>	Removing aggregation criteria for IPv6 initial allocations	A proposal to remove the aggregation requirement from the IPv6 initial allocation policy

# Policy Update

## Reached consensus at APNIC 31

Proposal	Title	Overview
Prop-083	Alternative criteria for subsequent IPv6 allocations  <i>* Reached consensus on revised text</i>	A proposal to enable current APNIC account holders with existing IPv6 allocations to receive subsequent IPv6 allocations from APNIC for use in networks that are not connected to the initial IPv6 allocation.
Prop-088	Distribution of IPv4 addresses once the final /8 period starts	A proposal to handle any IPv4 address space received by APNIC after the final /8 policy is implemented as being part of the final /8 pool and to redistribute these resources according to the final /8 policies.
Prop-093	Reducing the minimum delegation size for the final /8 policy	A proposal to change the minimum size of IPv4 delegations to a /24 when the final /8 policy is activated.
Prop-094	Removing renumbering requirement from final /8 policy  <i>* Reached consensus on revised text</i>	A proposal to remove the requirement for organizations receiving their initial allocation from APNIC to renumber out of their previously deployed space when they are allocated addresses under the final /8 policy.

# Policy Update

## Reached consensus at APNIC 31

Proposal	Title	Overview
Prop-095	Inter-RIR IPv4 address transfer proposal  <i>* Reached consensus on revised text</i>	A proposal to allow and define a mechanism for the transfer of IPv4 address space between APNIC account holders and organizations in other RIR region(s), providing that the counterpart RIR has a policy that allows transfers of address space with APNIC account holders.
Prop-097	Global policy for post exhaustion IPv4 allocation mechanisms by the IANA	This proposal describes the process that IANA will follow to allocate IPv4 resources to Regional Internet Registries (RIRs) after the central pool of addresses is exhausted.  The processes for how IPv4 space may be placed in the IANA Recovered IPv4 Pool is out of the scope of this proposal.





# Member Survey

- 2011 Member and Stakeholder Survey conducted by Prof. Ang Peng Hwa on behalf of the APNIC Executive Council
- Overall, membership generally satisfied with APNIC services. Rated 8.09 out of 10.
- 794 valid responses from 47 economies
  - Increase of 32% from previous surveys
  - 40% support IPv6, but interestingly, only 20% have the budget for it

# Member Survey – Top Ten

A.1.1. Overall, the services provided by APNIC are satisfactory.	8.09
A.1.3. APNIC communicates in a way that meets my needs.	7.83
A.2.4. APNIC should provide 24/7 Helpdesk operation for critical services.	7.79
A.3.1. The APNIC Helpdesk provides timely and appropriate responses for billing and administration enquiries.	7.76
A.2.3. The APNIC Helpdesk provides timely and appropriate responses to technical and service enquiries.	7.74
B.4.3. APNIC should establish more partnerships to support training and education for organizations in need.	7.71
A.2.8. APNIC should spend more effort informing network operator communities on routability/reachability issues.	7.67
A.2.2. APNIC resource allocation services (IPv4, IPv6 and ASNs) are adequate in response time and relevance.	7.63
B.1.3.1. The APNIC Whois Database operates at a high level of quality, usability and reliability.	7.63
B.1.3.2. The APNIC Reverse DNS service operates at a high level of quality, usability and reliability.	7.63

# Member Survey – Bottom Ten

B.5.5. There are suggestions that a Government-Advisory Committee, similar to ICANN's, be formed for APNIC. Do you agree?	6.28
B.5.1. Should governments in the Asia Pacific region be more involved in APNIC?	6.35
A.1.4. APNIC should provide support in more languages than it currently supports.	6.37
B.1.1.2. APNIC needs a Policy Development Process that allows policies to change more frequently.	6.49
B.4.7. APNIC eLearning contents are relevant to my organization.	6.60
B.5.2. APNIC's current level of engagement with governments in the Asia Pacific region is fine.	6.61
B.4.2. I am satisfied with the cost of APNIC training.	6.70
A.2.7. APNIC should provide consultancy services specific to individual Member's needs on a user-pays basis.	6.84
B.1.2.2. The remote participation options (video and audio streams, live session transcripts, chat rooms and archived media) at APNIC Meetings are easy to use.	6.93
A.3.2. The APNIC fee structure is reasonable and justified.	6.97

# Member Survey – Top Ten Resourcing Priorities

A.4.2.2. Support IPv6 deployment.	1.85
A.4.3.3. Routing and registry security improvements.	2.17
A.4.3.1. Do more research and development activities, such as network monitoring and measuring.	2.25
A.4.3.2. Publish statistics, analysis, and articles about Internet development and use.	2.40
A.4.1.4. Support network engineering education in the Asia Pacific region.	2.41
A.4.1.1. Expand APNIC involvement in the support and development of regional operator forums (eg, NOGs, IPv6 groups etc.).	2.42
A.4.1.2. Represent the needs of the Asia Pacific Internet community (including governments, regulators and technical organizations) in Internet Governance.	2.46
A.4.2.1. Streamline resource requests and allocation processes.	2.48
A.4.1.3. Expand training activities in scope, geographical coverage, and online options.	2.48
A.4.2.3. Enhance the reliability and availability of APNIC services.	2.64

## APNIC moved...



12 Jan 2010

# New Building

- Moved into new premises at end of 2010



Old



New

... just in time!



13 Jan 2011

# APNIC BCP Incident

- Flood event in Brisbane, 10-14 January 2011
- BCP Team engaged
- Staff safety priority
- In monitoring mode as no disaster declared
- Continued communication with Members throughout
- Post-evaluation and assessment





# Next Meeting – APNIC 32

Where: Busan, South Korea

When: Sunday, 28 August - Thursday, 1 September 2011



# Following Meetings

- APNIC 33, Delhi, India, 21 February - 2 March 2012, New Delhi (with APRICOT)
- APNIC 34, TBD
- APNIC 35, Singapore, 20 February – 1 March 2013, Singapore (with APRICOT)