APNIC IPv6 distribution update
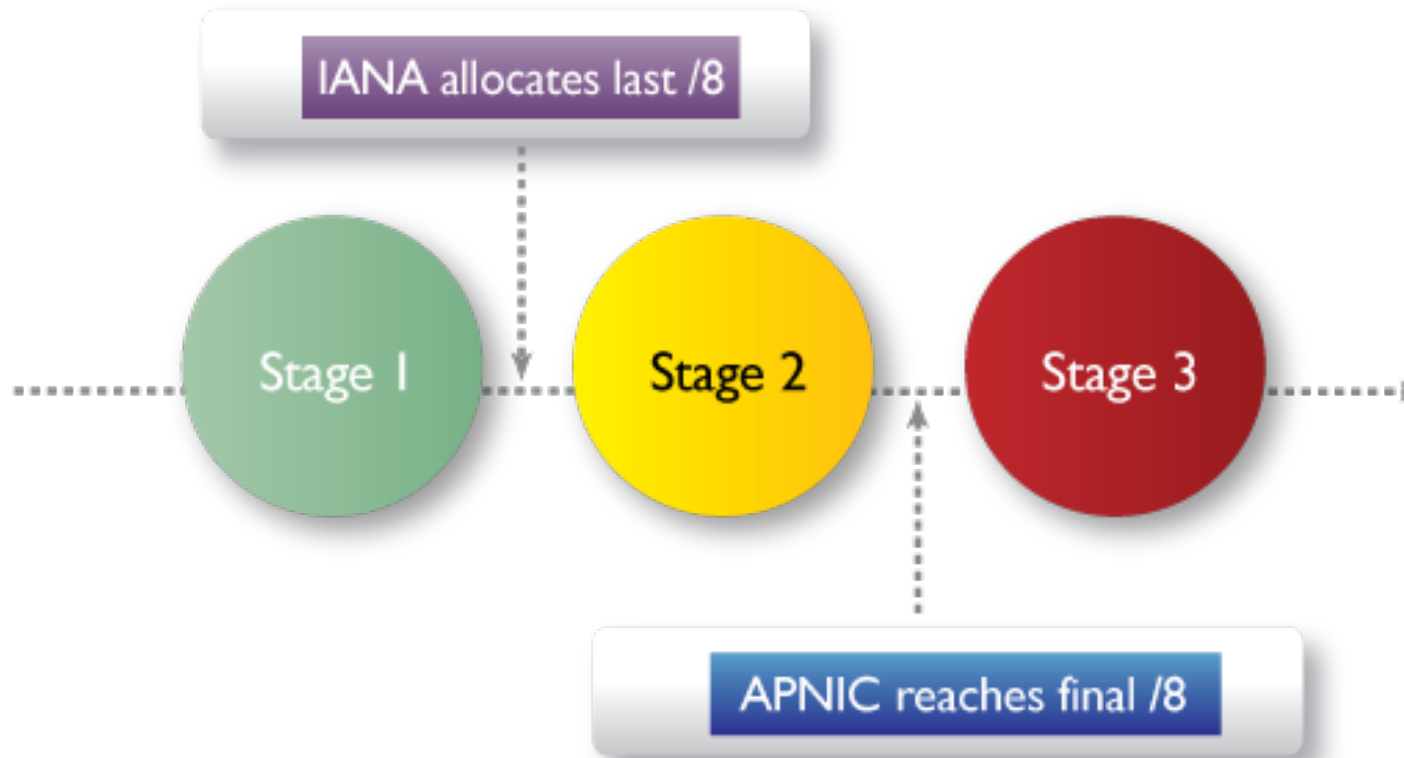
APIPv6TF meeting
27 August 2010

Sanjaya – Services Director, APNIC

Overview

- IPv4 exhaustion planning
- IPv6 promotion activities
- IPv4 vs IPv6 distribution comparison
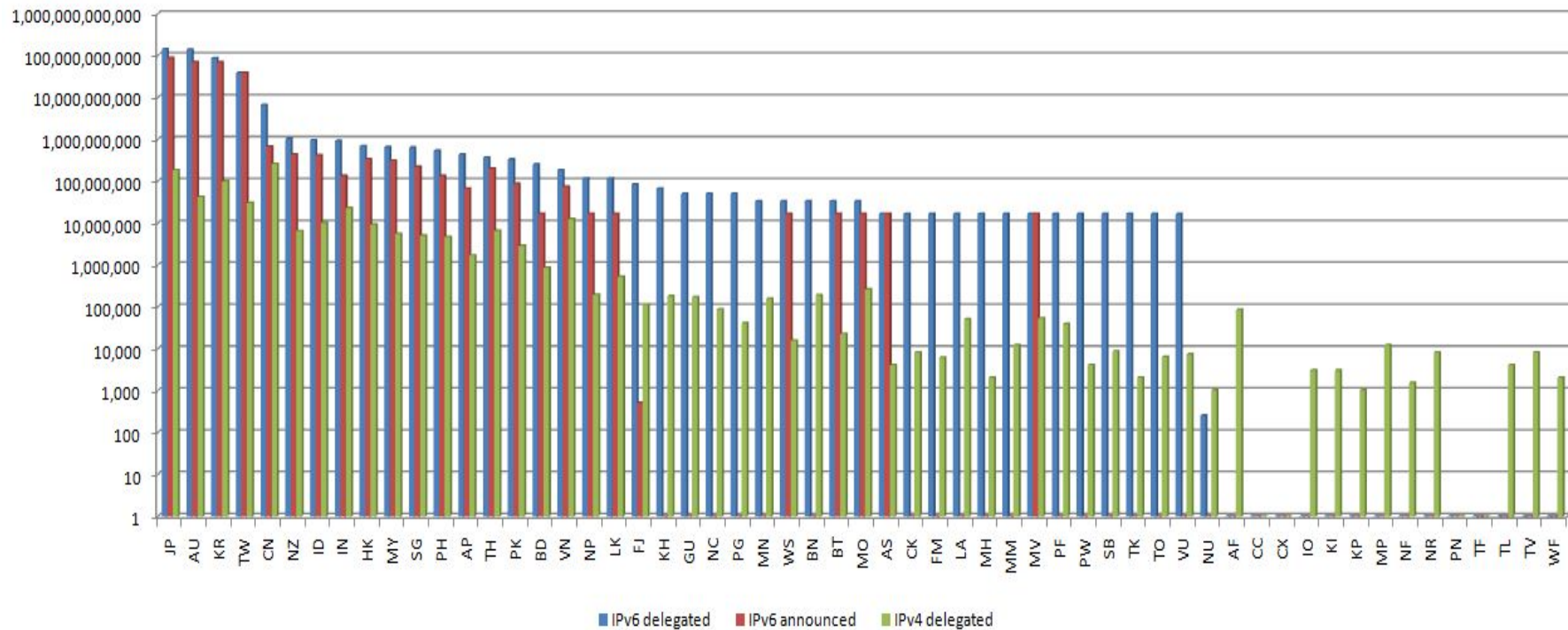- Way forward

IPv4 exhaustion planning

Appropriate policies/procedures applied at different stage
Communicate, communicate, communicate ...

IPv6 promotion activities

- Kickstart IPv6
  - Implemented 10 Feb 2010
  - Total allocations since Feb 2010: 358
- IPv6 events:
  - Singapore iDA Senior Senior Leadership Team; 8 Mar
  - Philippines CIOF IPv6 Event; 16 April
  - APEC TEL41, Taipei; 8 May
  - Indonesia IPv6 Summit, Bali; 8-9 June
  - CommunicAsia 2010; 15-18 June
  - The Third APT Preparatory Meeting for the ITU Plenipotentiary Conference 2010; 22-25 June

IPv4 vs IPv6 distribution comparison in AP

Measure: IPv6 /56 or IPv4 /32 as of 25 Aug 2010

- 75% AP economies have IPv6, holding more IPv6 addresses than IPv4
- 60% of the economies with IPv6 have announced a significant portion of their prefixes

Data source: http://resources.potaroo.net/iso3166/

Way forward

- Assist IPv6 transition plans in each economy
- Encourage leadership by example in adopting IPv6
  - Governments networks, services, website, procurement practice, contracts, etc.
- Establish partnerships between governments and the industry
  - Information exchange on IPv6 transition plans
  - White paper
- Effective intergovernmental agency collaboration
  - Information sharing, do not reinvent the wheel
- Periodic measurements of IPv6 deployment

Thank you!

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