APNIC Update

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APNIC

Overview

Serving APNIC Members

Supporting Internet development in the Asia Pacific region

Collaborating with the Internet community

APNIC's Vision:

"A global, open, stable, and secure Internet that serves the entire Asia Pacific community"
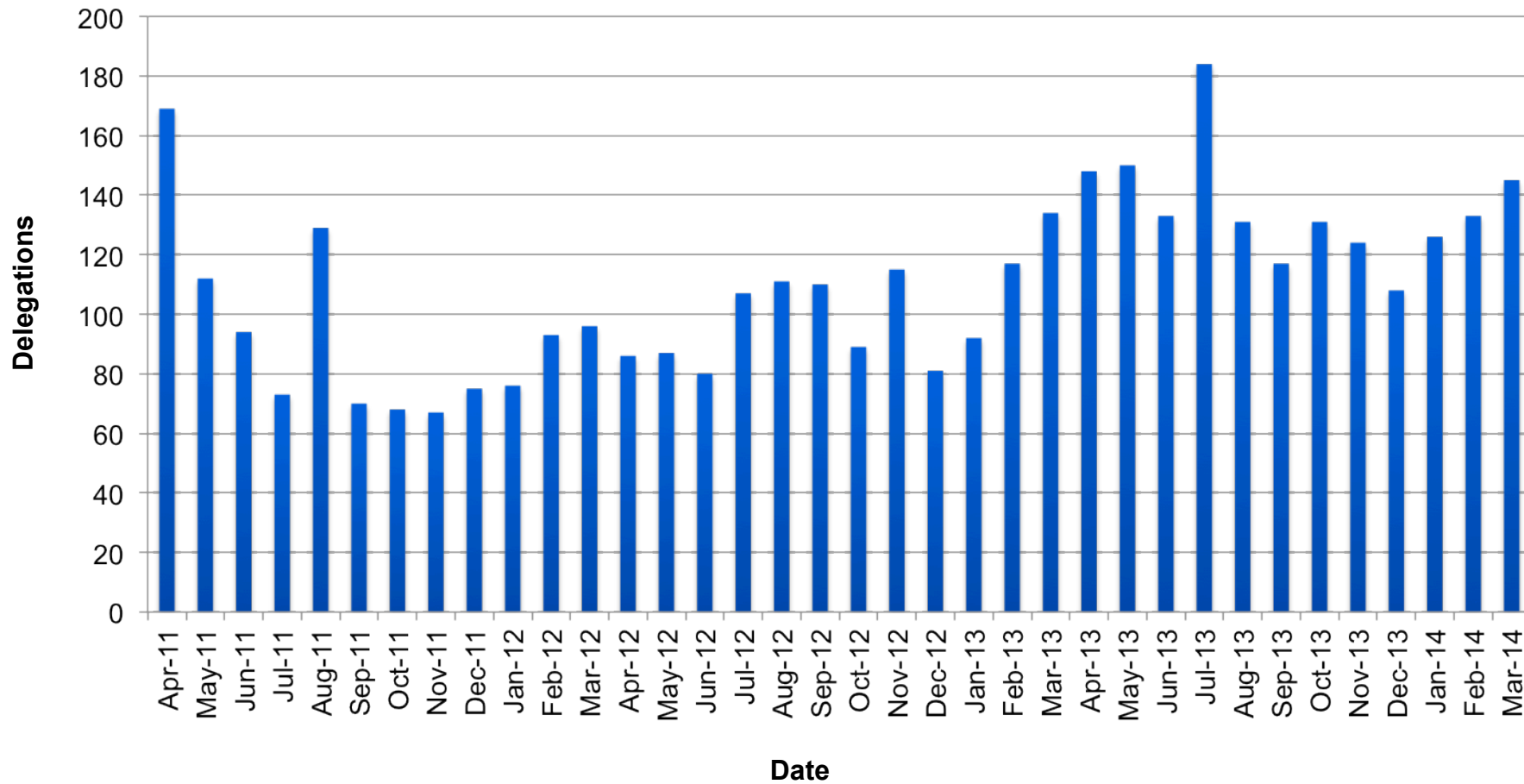
APNIC

What is APNIC?

- Regional Internet Registry (RIR) for the Asia Pacific region
    - One of five RIRs currently operating around the world
    - A membership-based, not-for-profit organization

- Industry self-regulatory body
    - Open
    - Consensus-based
    - Transparent

- Meetings and mailing lists
    - http://meetings.apnic.net
    - http://www.apnic.net/mailing-lists

APNIC

Rationing the 'last block'

- APNIC's last remaining block is 103.0.0.0/8
  - Equal to 16,777,216 addresses

- Each member can only get up to 1,024 addresses (/22)

- Allows new members to get a little bit of IPv4 before it completely runs out
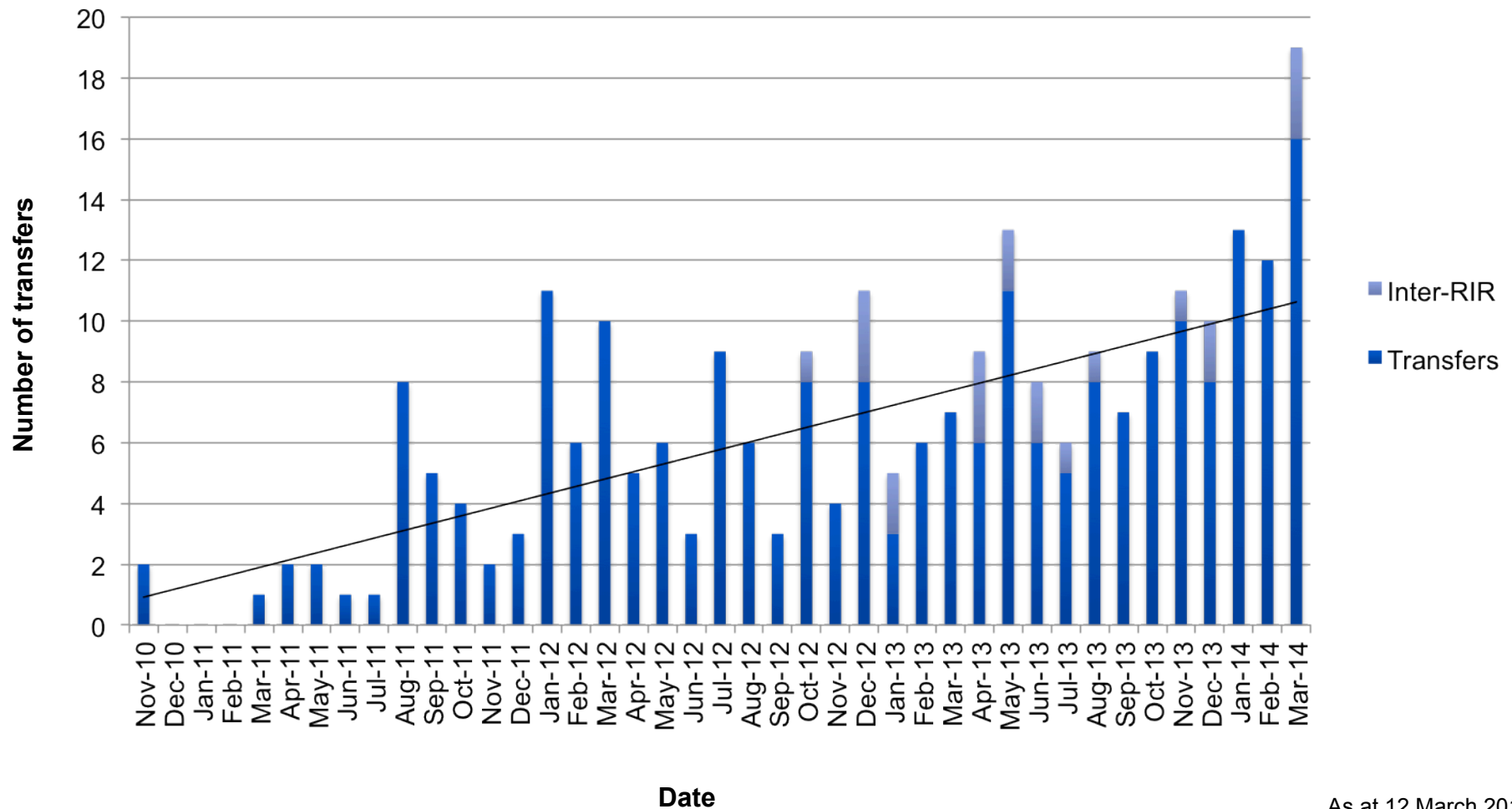
IPv4 Last /8 Delegations

As at 31 March 2014

APNIC

IPv4 address transfer

- Transfer is allowed through:
  - Merger & Acquisition
  - Needs based market transfer

- Needs based market transfer
  - The recipient (or buyer) must show evidence of need before a transfer can be registered by APNIC
  - Policy designed by the community to prevent hoarding

IPv4 Market Transfers

As at 12 March 2014

Recycling returned IPv4 address space

- Address space returned to IANA will be re-distributed equally to all 5 Regional Internet Registries
  - Estimated to happen in May
    - **prop-105: Distribution of returned IPv4 address – Pending implementation**

- The re-distributed space received by APNIC will be rationed like the 'last block'
  - A member can only get up to 1,024 addresses (/22) from recycled pool

Training

IPv6
- Continuing focus on IPv6 deployment

Hands-on
- Extensive exercises in virtual and physical training labs

eLearning
- Every Wednesday is IPv6 day; 179 hours training provided

TRAINING ACTIVITIES

Ulaanbaatar
Beijing
Xi'an
Suzhou
Kathmandu
Paro
Dhaka
Mandalay
Hong Kong
Mumbai
Cox's Bazar
Yangon
Baguio
Hyderabad
Vientiane
Bangkok
Bangalore
Siem Reap
Manila
Colombo
Phnom Penh
Cyberjaya
Kuala Lumpur
Singapore
Palembang
Yogyakarta
Surabaya
Port Moresby
Bali
Port Vila
Suva
Nuku'alofa
Brisbane
Sydney
Auckland
Melbourne
Wellington

Infrastructure Capacity Building

IXP Workshop held in Bangkok, Thailand - working towards establishing the country's first IXP

Provided training and equipment to help establish the Vanuatu IXP

APNIC supported the establishment of bdNOG and BTNOG, new network operators groups in Bangladesh and Bhutan

Helped establish an I-Root server instance in Port Vila, Vanuatu

ISIF and Seed Alliance

ISIF Asia

- Small grants and awards
- AUD 1.3m over 3 years (IDRC, Canada)
- So far, AUD 1.2m to 38 projects in 17 economies
- 2014 Call for Grants: 11 projects selected for implementation in 2014

Seed Alliance

- Joint project of ISIF (APNIC), Frida (LACNIC), FIRE (AFRINIC)
- AUD 1.5m over 3 years (Sida, Sweden)

Strategic Engagement

Technical community
- NOGs, NIR OPMs, I*, CERTs, ISOC Chapters, PACINET, PICISOC, PTC

Governmental
- APEC-TEL 47 and 48, ITU WTPF, APT, WSIS+10, ITU Connect Asia Pacific Summit, ITU Telecom World 2013

IGF
- National IGFs (Nethui, auIGF), APrIGF
- Bali IGF - significant support given for fundraising and logistics

IANA Oversight Transition

- October 2013: Internet's technical organizations signed Montevideo Statement calling for globalization of ICANN and IANA functions

- January 2014: APNIC EC endorsed statement

- March 2014: US government announced IANA functions will be transferred to global Internet community

- Open community discussion process on IANA transition underway

- For resources and to join the discussion on the mailing list:

  www.apnic.net/ianaxfer

Montevideo - Octubre 2013

You're Invited!

- APNIC 38: Brisbane, Australia, 9-19 September 2014

- Opportunity to network with peers and experts to discuss key Internet technologies and trends shaping the Internet

- Participate remotely via webcast, audio streaming, live transcripts

conference.apnic.net

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THANK YOU

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