MyNOG 01

APNIC Update

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IP address and ASN delegation in the AP region
(Dec 2011)
IP address and ASN delegation in Malaysia (Dec 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 11 January 2012, made 901 delegations to 32 economies
Last /8 Delegations
(11 Jan 2012)
Policies implemented in 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: Director, 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 APNIC 32 and APRICOT/APAN 2011
  • IPv6 Deployment workshop at ICANN 41

• Supporting regional IPv6 activities
  • Inaugural MyNOG and 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 APrlIGF 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 Corporate Identity

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

• APNIC 34
  • Phnom Penh, Cambodia, August 2012

• APNIC 35:
  • Singapore, Singapore, February 2013
Thanks

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